



SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

LAL, Preeti
 TANG, Y. Tom
 GORGONE, Gina A.
 CORLEY, Neil C.
 GUEGLER, Karl J.
 BAUGHN, Mariah R.
 AKERBLOM, Ingrid E.
 AU-YOUNG, Janice
 YUE, Henry
 PATTERSON, Chandra
 REDDY, Roopa
 HILLMAN, Jennifer L.
 BANDMAN, Olga

<120> HUMAN SIGNAL PEPTIDE-CONTAINING PROTEINS

<130> PF-0541 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/090,762; 60/094,983; 60/102,686; 60/112,129

<151> 1998-06-26; 1998-07-31; 1998-10-01; 1998-12-11

<160> 268

<170> PERL Program

<210> 1

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 443531

<400> 1

Met	Ser	Trp	Trp	Leu	Cys	Leu	Pro	Leu	Gly	Leu	Phe	Gly	Ser	Cys
1				5					10					15
Leu	Ala	Pro	Ala	Ala	Ala	Ala	Ala	Leu	Ser	Glu	Phe	Thr	Gln	Glu
				20					25					30
Gln	His	Asp	Gly	Ala	Gln	Pro	Ser	Pro	Lys	Cys	Leu	Ala	Glu	Glu
				35					40					45
Leu	Gly	Asp	Ala	Trp	Thr	Ile	Gln	Ile	Glu	Ala	Asn	Trp	Lys	Tyr
				50					55					60
Arg	Ala	Val	Asn	Thr	Asn	Gln	Arg	Gly	Lys	Leu	Leu	Ala	Ser	Glu
				65					70					75
Thr	Trp	Lys	Gly	Arg	Arg	Asn	Thr	Phe	Phe	Phe	Leu	Pro		
				80					85					

<210> 2

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 632860

<400> 2

Met	Trp	Pro	Ala	Gly	Leu	Gly	Arg	Ser	Leu	Leu	Ala	Gln	Pro	Ala	
1				5					10					15	
Leu	Cys	Ser	Phe	Met	Gly	Pro	Gln	Trp	Ile	Leu	Gln	Phe	Cys	Ser	
				20					25					30	
Trp	Leu	Glu	Pro	Arg	Gln	Leu	Arg	Trp	Ser	Trp	Thr	Glu	Pro	Pro	
				35					40					45	
Phe	Thr	Leu	Leu	Asp	Ser	Leu	Gly	Leu	Arg	Ala	Ala	Gln	Asp	Ser	
				50					55					60	
Cys	Ser	Phe	Thr	Thr	Leu	Val	Pro	Leu	Thr	Leu	Asp	Ser	Ser	Phe	
				65					70					75	
Met	Thr	Val	Asn	Val	Val	Pro	Phe	Val	Trp	Thr	Ser	Ser	Phe	Phe	
				80					85					90	
Arg	Ala	Phe	Gln	Tyr	Pro	Val	Thr	Ser	Pro	Cys	Arg	Thr	Lys	Asn	
				95					100					105	
Thr	Pro	Leu	Leu	Ile	Asp	Gly	Val	Thr	Arg	Ile	Gln	Ala	Thr	Trp	
				110					115					120	
Pro	Glu	Ala	Arg	Ser	Gln	His	Glu								
				125											

<210> 3

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 670010

<400> 3

Met	Gly	Leu	Leu	Leu	Leu	Val	Leu	Phe	Leu	Ser	Leu	Leu	Pro	Val	
1				5					10					15	
Ala	Tyr	Thr	Ile	Met	Ser	Leu	Pro	Pro	Ser	Phe	Asp	Cys	Gly	Pro	
				20					25					30	
Phe	Arg	Cys	Arg	Val	Ser	Val	Ala	Arg	Glu	His	Leu	Pro	Ser	Arg	
				35					40					45	
Gly	Ser	Leu	Leu	Arg	Gly	Pro	Arg	Pro	Arg	Ile	Pro	Val	Leu	Val	
				50					55					60	
Ser	Cys	Gln	Pro	Val	Lys	Gly	His	Gly	Thr	Leu	Gly	Glu	Ser	Pro	
				65					70					75	
Met	Pro	Phe	Lys	Arg	Val	Phe	Cys	Gln	Asp	Gly	Asn	Val	Arg	Ser	
				80					85					90	
Phe	Cys	Val	Cys	Ala	Val	His	Phe	Ser	Ser	His	Gln	Pro	Pro	Val	
				95					100					105	
Ala	Val	Glu	Cys	Leu	Lys										
				110											

<210> 4

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 726498

<400> 4

Met	Trp	Arg	Leu	Arg	Arg	Asn	Leu	Ala	Leu	Pro	Pro	Gly	Lys	Leu	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--

1	5	10	15
Ala Trp Leu Tyr Leu	Ser Val Phe Ser Gln	Gly Ser Arg Ala Met	
20	25		30
Met Ser Leu Thr Glu	Ile Arg Leu Lys His	Met Leu Glu Ile Trp	
35	40		45
His Gly Arg Gln Ala	Arg Ala Cys Glu Asn	Leu Arg Asn Gln Thr	
50	55		60
Arg Val Ala Thr Lys	Val Glu Pro Gln Lys	Gly Arg Ser Thr Glu	
65	70		75
Ile Cys Cys Leu Ala	Val Val Pro Leu Asn	Glu Val Val Gln Ser	
80	85		90
Ser Ile Leu Trp Trp	Val Trp Ser Cys Cys	Gln His Gln Glu Asp	
95	100		105
Lys Leu Gly Ala Lys			
110			

<210> 5
 <211> 78
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 795064

<400> 5
Met Ala Glu Ser Gly Leu Thr Ser Leu Pro Gly Thr Ala Ser Trp
1 5 10 15
Phe Cys Phe Leu Pro Val Ser Gln Arg Lys Ala Thr Ser Lys Lys
20 25 30
Leu Leu Leu Lys Ala Arg Lys Lys Ser Gly Phe Glu Leu Ser Val
35 40 45
Thr Asp Ser Ser Glu Cys Phe Arg Val Thr Ala Ser Val Arg Gly
50 55 60
Met Lys Asn Arg His Ala Lys Gly Asn Gly Cys Thr Arg Asp Pro
65 70 75
Cys Phe Gly

<210> 6
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 924925

<400> 6
Met Trp Pro Ser Gln Val Pro Leu Leu Ala Phe Cys Phe Leu Leu
1 5 10 15
Val Lys Ser Thr Ser Asn Ile Asn Leu Pro Thr Pro Pro Pro Ser
20 25 30
Ser Leu Glu Asn Ser Ser Phe Val Val Ser Gln Arg Gly Asn Leu
35 40 45
Ile Val Phe Gly Gly Gln Lys Lys Ala Thr Phe Arg Tyr His Phe
50 55 60
Tyr Leu Asp Arg Met Pro Phe Tyr Ser Gln Ile Ser Val Tyr Phe
65 70 75
Val Asn Gly Phe Arg Val Asn Gly Tyr Leu Cys Asn Asn
80 85

<210> 7
 <211> 227
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 962390

<400> 7
 Met Gly Arg Pro Leu Leu Leu Pro Leu Leu Leu Leu Gln Pro
 1 5 10 15
 Pro Ala Phe Leu Gln Pro Gly Gly Ser Thr Gly Ser Gly Pro Ser
 20 25 30
 Tyr Leu Tyr Gly Val Thr Gln Pro Lys His Leu Ser Ala Ser Met
 35 40 45
 Gly Gly Ser Val Glu Ile Pro Phe Ser Phe Tyr Tyr Pro Trp Glu
 50 55 60
 Leu Ala Ile Val Pro Asn Val Arg Ile Ser Trp Arg Arg Gly His
 65 70 75
 Phe His Gly Gln Ser Phe Tyr Ser Thr Arg Pro Pro Ser Ile His
 80 85 90
 Lys Asp Tyr Val Asn Arg Leu Phe Leu Asn Trp Thr Glu Gly Gln
 95 100 105
 Glu Ser Gly Phe Leu Arg Ile Ser Asn Leu Arg Lys Glu Asp Gln
 110 115 120
 Ser Val Tyr Phe Cys Arg Val Glu Leu Asp Thr Arg Arg Ser Gly
 125 130 135
 Arg Gln Gln Leu Gln Ser Ile Lys Gly Thr Lys Leu Thr Ile Thr
 140 145 150
 Gln Ala Val Thr Thr Thr Thr Thr Trp Arg Pro Ser Ser Thr Thr
 155 160 165
 Thr Ile Ala Gly Leu Arg Val Thr Glu Ser Lys Gly His Ser Glu
 170 175 180
 Ser Trp His Leu Ser Leu Asp Thr Ala Ile Arg Val Ala Leu Ala
 185 190 195
 Val Ala Val Leu Lys Thr Val Ile Leu Gly Leu Leu Cys Leu Leu
 200 205 210
 Leu Leu Trp Trp Arg Arg Arg Lys Gly Ser Arg Ala Pro Ser Ser
 215 220 225
 Asp Phe

<210> 8
 <211> 198
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1259405

<400> 8
 Met Ala Thr Leu Trp Gly Gly Leu Leu Arg Leu Gly Ser Leu Leu
 1 5 10 15
 Ser Leu Ser Cys Leu Ala Leu Ser Val Leu Leu Leu Ala Gln Leu
 20 25 30
 Ser Asp Ala Ala Lys Asn Phe Glu Asp Val Arg Cys Lys Cys Ile
 35 40 45

Cys	Pro	Pro	Tyr	Lys	Glu	Asn	Ser	Gly	His	Ile	Tyr	Asn	Lys	Asn
				50					55					60
Ile	Ser	Gln	Lys	Asp	Cys	Asp	Cys	Leu	His	Val	Val	Glu	Pro	Met
				65					70					75
Pro	Val	Arg	Gly	Pro	Asp	Val	Glu	Ala	Tyr	Cys	Leu	Arg	Cys	Glu
				80					85					90
Cys	Lys	Tyr	Glu	Glu	Arg	Ser	Ser	Val	Thr	Ile	Lys	Val	Thr	Ile
				95					100					105
Ile	Ile	Tyr	Leu	Ser	Ile	Leu	Gly	Leu	Leu	Leu	Tyr	Met	Val	
				110					115					120
Tyr	Leu	Thr	Leu	Val	Glu	Pro	Ile	Leu	Lys	Arg	Arg	Leu	Phe	Gly
				125					130					135
His	Ala	Gln	Leu	Ile	Gln	Ser	Asp	Asp	Asp	Ile	Gly	Asp	His	Gln
				140					145					150
Pro	Phe	Ala	Asn	Ala	His	Asp	Val	Leu	Ala	Arg	Ser	Arg	Ser	Arg
				155					160					165
Ala	Asn	Val	Leu	Asn	Lys	Val	Glu	Tyr	Ala	Gln	Gln	Arg	Trp	Lys
				170					175					180
Leu	Gln	Val	Gln	Glu	Gln	Arg	Lys	Ser	Val	Phe	Asp	Arg	His	Val
				185					190					195
Val	Leu	Ser												

<210> 9
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1297384

Met	Met	Pro	Arg	Leu	Leu	Gly	Leu	Gly	Gly	Leu	Phe	Ser	Phe	Gly
1				5					10					15
Gly	Leu	Pro	Leu	Leu	Leu	Phe	Phe	Gln	Arg	Ser	Arg	Ala	Ser	
				20				25						30
Leu	Ala	Ser	Ser	Ser	Thr	Gly	Leu	Trp	Ile	Asn	Gln	Leu	Pro	Lys
				35				40						45
Gly	Cys	Thr	Cys	Arg	Val	Val	Trp	Ala	Cys	Ile	Pro	Asp	Val	Leu
				50					55					60
Glu	Tyr	Ala	Trp	Met										
				65										

<210> 10
 <211> 154
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1299627

Met	Asp	Ala	Pro	Arg	Leu	Pro	Val	Arg	Pro	Gly	Val	Leu	Leu	Pro
1				5					10					15
Lys	Leu	Val	Leu	Leu	Phe	Val	Tyr	Ala	Asp	Asp	Cys	Leu	Ala	Gln
				20					25					30
Cys	Gly	Lys	Asp	Cys	Lys	Ser	Tyr	Cys	Cys	Asp	Gly	Thr	Thr	Pro
				35					40					45

Tyr	Cys	Cys	Ser	Tyr	Tyr	Ala	Tyr	Ile	Gly	Asn	Ile	Leu	Ser	Gly	
				50					55					60	
Thr	Ala	Ile	Ala	Gly	Ile	Val	Phe	Gly	Ile	Val	Phe	Ile	Met	Gly	
				65					70					75	
Val	Ile	Ala	Gly	Ile	Ala	Ile	Cys	Ile	Cys	Met	Cys	Met	Lys	Asn	
				80					85					90	
His	Arg	Ala	Thr	Arg	Val	Gly	Ile	Leu	Arg	Thr	Thr	His	Ile	Asn	
				95					100					105	
Thr	Val	Ser	Ser	Tyr	Pro	Gly	Pro	Pro	Pro	Tyr	Gly	His	Asp	His	
				110					115					120	
Glu	Met	Glu	Tyr	Cys	Ala	Asp	Leu	Pro	Pro	Pro	Tyr	Ser	Pro	Thr	
				125					130					135	
Pro	Gln	Gly	Pro	Ala	Gln	Arg	Ser	Pro	Pro	Pro	Pro	Tyr	Pro	Gly	
				140					145					150	
Asn	Ala	Arg	Lys												

<210> 11
 <211> 237
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1306026

<400> 11															
Met	Lys	Pro	Leu	Val	Leu	Leu	Val	Ala	Leu	Leu	Leu	Trp	Pro	Ser	
1				5					10					15	
Ser	Val	Pro	Ala	Tyr	Pro	Ser	Ile	Thr	Val	Thr	Pro	Asp	Glu	Glu	
				20					25					30	
Gln	Asn	Leu	Asn	His	Tyr	Ile	Gln	Val	Leu	Glu	Asn	Leu	Val	Arg	
				35					40					45	
Ser	Val	Pro	Ser	Gly	Glu	Pro	Gly	Arg	Glu	Lys	Lys	Ser	Asn	Ser	
				50					55					60	
Pro	Lys	His	Val	Tyr	Ser	Ile	Ala	Ser	Lys	Gly	Ser	Lys	Phe	Lys	
				65					70					75	
Glu	Leu	Val	Thr	His	Gly	Asp	Ala	Ser	Thr	Glu	Asn	Asp	Val	Leu	
				80					85					90	
Thr	Asn	Pro	Ile	Ser	Glu	Glu	Thr	Thr	Thr	Phe	Pro	Thr	Gly	Gly	
				95					100					105	
Phe	Thr	Pro	Glu	Ile	Gly	Lys	Lys	Lys	His	Thr	Glu	Ser	Thr	Pro	
				110					115					120	
Phe	Trp	Ser	Ile	Lys	Pro	Asn	Asn	Val	Ser	Ile	Val	Leu	His	Ala	
				125					130					135	
Glu	Glu	Pro	Tyr	Ile	Glu	Asn	Glu	Glu	Pro	Glu	Pro	Glu	Pro	Glu	
				140					145					150	
Pro	Ala	Ala	Lys	Gln	Thr	Glu	Ala	Pro	Arg	Met	Leu	Pro	Val	Val	
				155					160					165	
Thr	Glu	Ser	Ser	Thr	Ser	Pro	Tyr	Val	Thr	Ser	Tyr	Lys	Ser	Pro	
				170					175					180	
Val	Thr	Thr	Leu	Asp	Lys	Ser	Thr	Gly	Ile	Glu	Ile	Ser	Thr	Glu	
				185					190					195	
Ser	Glu	Asp	Val	Pro	Gln	Leu	Ser	Gly	Glu	Thr	Ala	Ile	Glu	Lys	
				200					205					210	
Pro	Glu	Ser	Trp	Lys	His	Gln	Arg	Val	Gly	Tyr	Asp	Ala	Phe	Glu	
				215					220					225	
Lys	Asn	Leu	Val	Leu	Ile	Thr	Met	His	Arg	His	Phe				
				230					235						

<210> 12

<211> 225
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1316219

<400> 12
 Met Thr Pro Glu Gly Val Gly Leu Thr Thr Ala Leu Arg Val Leu
 1 5 10 15
 Cys Asn Val Ala Cys Pro Pro Pro Pro Val Glu Gly Gln Gln Lys
 20 25 30
 Asp Leu Lys Trp Asn Leu Ala Val Ile Gln Leu Phe Ser Ala Glu
 35 40 45
 Gly Met Asp Thr Phe Ile Arg Val Leu Gln Lys Leu Asn Ser Ile
 50 55 60
 Leu Thr Gln Pro Trp Arg Leu His Val Asn Met Gly Thr Thr Leu
 65 70 75
 His Arg Val Thr Thr Ile Ser Met Ala Arg Cys Thr Leu Thr Leu
 80 85 90
 Leu Lys Thr Met Leu Thr Glu Leu Leu Arg Gly Gly Ser Phe Glu
 95 100 105
 Phe Lys Asp Met Arg Val Pro Ser Ala Leu Val Thr Leu His Met
 110 115 120
 Leu Leu Cys Ser Ile Pro Leu Ser Gly Arg Leu Asp Ser Asp Glu
 125 130 135
 Gln Lys Ile Gln Asn Asp Ile Ile Asp Ile Leu Leu Thr Phe Thr
 140 145 150
 Gln Gly Val Asn Glu Lys Leu Thr Ile Ser Glu Glu Thr Leu Ala
 155 160 165
 Asn Asn Thr Trp Ser Leu Met Leu Lys Glu Val Leu Ser Ser Ile
 170 175 180
 Leu Lys Val Pro Glu Gly Phe Phe Ser Gly Leu Ile Leu Leu Ser
 185 190 195
 Glu Leu Leu Pro Leu Pro Leu Pro Met Gln Thr Thr Gln Val Ser
 200 205 210
 Leu Pro Tyr Asn Met His Leu Ile Asn Asp Cys Ser Asn Thr Phe
 215 220 225

<210> 13
 <211> 117
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1329031

<400> 13
 Met Pro Ser Pro Gly Thr Val Cys Ser Leu Leu Leu Leu Gly Met
 1 5 10 15
 Leu Trp Leu Asp Leu Ala Met Ala Gly Ser Ser Phe Leu Ser Pro
 20 25 30
 Glu His Gln Arg Val Gln Gln Arg Lys Glu Ser Lys Lys Pro Pro
 35 40 45
 Ala Lys Leu Gln Pro Arg Ala Leu Ala Gly Trp Leu Arg Pro Glu
 50 55 60
 Asp Gly Gly Gln Ala Glu Gly Ala Glu Asp Glu Leu Glu Val Arg
 65 70 75
 Phe Asn Ala Pro Phe Asp Val Gly Ile Lys Leu Ser Gly Val Gln
 80 85 90

PF-0541 PCT

Tyr	Gln	Gln	His	Ser	Gln	Ala	Leu	Gly	Lys	Phe	Leu	Gln	Asp	Ile
			95						100					105
Leu	Trp	Glu	Glu	Ala	Lys	Glu	Ala	Pro	Ala	Asp	Lys			
			110						115					

<210> 14
<211> 253
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1483050

<400>	14													
Met	Asp	Asn	Arg	Phe	Ala	Thr	Ala	Phe	Val	Ile	Ala	Cys	Val	Leu
1				5					10					15
Ser	Leu	Ile	Ser	Thr	Ile	Tyr	Met	Ala	Ala	Ser	Ile	Gly	Thr	Asp
				20					25					30
Phe	Trp	Tyr	Glu	Tyr	Arg	Ser	Pro	Val	Gln	Glu	Asn	Ser	Ser	Asp
				35					40					45
Leu	Asn	Lys	Ser	Ile	Trp	Asp	Glu	Phe	Ile	Ser	Asp	Glu	Ala	Asp
				50					55					60
Glu	Lys	Thr	Tyr	Asn	Asp	Ala	Leu	Phe	Arg	Tyr	Asn	Gly	Thr	Val
				65					70					75
Gly	Leu	Trp	Arg	Arg	Cys	Ile	Thr	Ile	Pro	Lys	Asn	Met	His	Trp
				80					85					90
Tyr	Ser	Pro	Pro	Glu	Arg	Thr	Glu	Ser	Phe	Asp	Val	Val	Thr	Lys
				95					100					105
Cys	Val	Ser	Phe	Thr	Leu	Thr	Glu	Gln	Phe	Met	Glu	Lys	Phe	Val
				110					115					120
Asp	Pro	Gly	Asn	His	Asn	Ser	Gly	Ile	Asp	Leu	Leu	Arg	Thr	Tyr
				125					130					135
Leu	Trp	Arg	Cys	Gln	Phe	Leu	Leu	Pro	Phe	Val	Ser	Leu	Gly	Leu
				140					145					150
Met	Cys	Phe	Gly	Ala	Leu	Ile	Gly	Leu	Cys	Ala	Cys	Ile	Cys	Arg
				155					160					165
Ser	Leu	Tyr	Pro	Thr	Ile	Ala	Thr	Gly	Ile	Leu	His	Leu	Leu	Ala
				170					175					180
Gly	Leu	Cys	Thr	Leu	Gly	Ser	Val	Ser	Cys	Tyr	Val	Ala	Gly	Ile
				185					190					195
Glu	Leu	Leu	His	Gln	Lys	Leu	Glu	Leu	Pro	Asp	Asn	Val	Ser	Gly
				200					205					210
Glu	Phe	Gly	Trp	Ser	Phe	Cys	Leu	Ala	Cys	Val	Ser	Ala	Pro	Leu
				215					220					225
Gln	Phe	Met	Ala	Ser	Ala	Leu	Phe	Ile	Trp	Ala	Ala	His	Thr	Asn
				230					235					240
Arg	Lys	Glu	Tyr	Thr	Leu	Met	Lys	Ala	Tyr	Arg	Val	Ala		
				245					250					

<210> 15
<211> 171
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1514160

<400> 15

```

Met Ser Leu Pro Ile Pro Trp Leu Ser Leu Pro Pro Cys Pro Ile
 1          5          10          15
Leu Gly Gln Pro Ala Gly Leu Leu Leu Trp Leu Phe Arg Pro Phe
          20          25          30
Ser Gln Cys Cys Gln Cys Pro Trp Glu Gly Arg Ala Ser Leu Arg
          35          40          45
His Pro Asn Gly Pro Ser Gly Cys Arg Glu Ala Glu Ala Trp Pro
          50          55          60
Gln Arg Ser Leu Leu Arg Gln Gln Leu Gln Ala His Pro Leu
          65          70          75
Pro Thr Leu Pro Thr Pro Glu Arg Leu Pro Glu Gln Met Leu Phe
          80          85          90
Pro Ser Ser Ser Ser Lys Pro Phe Ser Leu Leu Ser Leu Thr Ile
          95          100          105
Trp Ala Arg Leu Val Gly Arg Leu Thr Asn Arg Ile Cys Pro Val
          110          115          120
Pro Pro Gly Ser Val Ala Ser Ser Met Ser Leu Gln Ala Gly Arg
          125          130          135
Cys Gly Asn Pro Val Val Leu Pro Gln Pro Met Pro Pro Gly Leu
          140          145          150
Leu Cys Met Asn Glu Cys Ser Leu Val Pro Gly Leu Gly Arg Gly
          155          160          165
Gln Val Asn Ser Arg Val
          170

```

<210> 16

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1603403

<400> 16

```

Met Gly Ser Gly Leu Pro Leu Val Leu Leu Leu Thr Leu Leu Gly
 1          5          10          15
Ser Ser His Gly Thr Gly Pro Gly Met Thr Leu Gln Leu Lys Leu
          20          25          30
Lys Glu Ser Phe Leu Thr Asn Ser Ser Tyr Glu Ser Ser Phe Leu
          35          40          45
Glu Leu Leu Glu Lys Leu Cys Leu Leu Leu His Leu Pro Ser Gly
          50          55          60
Thr Ser Val Thr Leu His His Ala Arg Ser Gln His His Val Val
          65          70          75
Cys Asn Thr

```

<210> 17

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1652303

<400> 17

```

Met Lys Leu Leu Ser Cys Leu Leu Phe Leu Lys Ala Pro Leu Tyr
 1          5          10          15

```

PF-0541 PCT

Pro	Thr	Leu	Cys	Ser	Lys	Asp	Pro	Arg	Ala	Gly	His	Ser	Leu	Ile
				20					25					30
Cys	Gly	Gln	Ala	Gly	Gln	Ile	Pro	Glu	Ala	Gln	Leu	Gly	Phe	Ser
				35					40					45
Ser	Asp	Phe	Lys	Leu	Cys	Trp	Cys	Trp	Asp	Gln	Gln	Lys	Ala	Asn
				50					55					60
Val	Gln	Pro	Thr	His	Arg	Thr	Val	Arg	Gly	Leu				
				65					70					

<210> 18

<211> 188

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1693358

<400> 18

Met	Val	Pro	Gly	Ala	Ala	Gly	Trp	Cys	Cys	Leu	Val	Leu	Trp	Leu
1				5					10					15
Pro	Ala	Cys	Val	Ala	Ala	His	Gly	Phe	Arg	Ile	His	Asp	Tyr	Leu
				20					25					30
Tyr	Phe	Gln	Val	Leu	Ser	Pro	Gly	Asp	Ile	Arg	Tyr	Ile	Phe	Thr
				35					40					45
Ala	Thr	Pro	Ala	Lys	Asp	Phe	Gly	Gly	Ile	Phe	His	Thr	Arg	Tyr
				50					55					60
Glu	Gln	Ile	His	Leu	Val	Pro	Ala	Glu	Pro	Pro	Glu	Ala	Cys	Gly
				65					70					75
Glu	Leu	Ser	Asn	Gly	Phe	Phe	Ile	Gln	Asp	Gln	Ile	Ala	Leu	Val
				80					85					90
Glu	Arg	Gly	Gly	Cys	Ser	Phe	Leu	Ser	Lys	Thr	Arg	Val	Val	Gln
				95					100					105
Glu	His	Gly	Gly	Arg	Ala	Val	Ile	Ile	Ser	Asp	Asn	Ala	Val	Asp
				110					115					120
Asn	Asp	Ser	Phe	Tyr	Val	Glu	Met	Ile	Gln	Asp	Ser	Thr	Gln	Arg
				125					130					135
Thr	Ala	Asp	Ile	Pro	Ala	Leu	Phe	Leu	Leu	Gly	Arg	Asp	Gly	Tyr
				140					145					150
Met	Ile	Arg	Arg	Ser	Leu	Glu	Gln	His	Gly	Leu	Pro	Trp	Ala	Ile
				155					160					165
Ile	Ser	Ile	Pro	Val	Asn	Val	Thr	Ser	Ile	Pro	Thr	Phe	Glu	Leu
				170					175					180
Leu	Gln	Pro	Pro	Trp	Thr	Phe	Trp							
				185										

<210> 19

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1707711

<400> 19

Met	Lys	Ala	Gln	Pro	Leu	Glu	Ala	Leu	Leu	Leu	Val	Ala	Leu	Val
1				5					10					15
Leu	Ser	Phe	Cys	Gly	Val	Trp	Phe	Glu	Asp	Trp	Leu	Ser	Lys	Trp

	20		25		30
Arg Phe Gln Cys Ile	Phe Gln Leu Ala His	Gln Pro Ala Leu Val			
	35		40		45
Asn Ile Gln Phe Arg	Gly Thr Val Leu Gly	Ser Glu Thr Phe Leu			
	50		55		60
Gly Ala Glu Glu Asn	Ser Ala Asp Val Arg	Ser Trp Gln Thr Leu			
	65		70		75
Ser Tyr Phe Glu Leu					
	80				

<210> 20
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1738735

<400> 20	
Met Ile Asp Leu Trp	Leu Pro Ala Leu Phe Val Leu Val Ala Leu
1	5 10 15
Glu Ser Leu Leu Leu	Ser Pro Cys Pro Gly Thr Ser Ser Thr Leu
	20 25 30
Thr Arg Thr Phe Phe	Pro Ser Leu Val Ser Cys Val Gln Val Pro
	35 40 45
Phe Ser Trp Ile Pro	Cys Leu Glu Cys Phe Leu Ile Tyr Phe Leu
	50 55 60
Ile Leu Ala Glu Asp	Val Leu Gln Leu Phe Ser Gly Asn Ala Asn
	65 70 75
Met Gln Val Asn Gln	
	80

<210> 21
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1749147

<400> 21	
Met Gln Arg Pro Phe	Leu Ser Val Pro Cys Leu Leu Leu Leu Pro
1	5 10 15
Ala Arg Val Val Trp	Gly Cys Trp Cys Phe Leu Pro Gly Glu Asp
	20 25 30
Gly Gly Gly Cys Pro	Thr Pro Ser Ser Gly Arg Ile Lys Leu Leu
	35 40 45
Gln Gln Cys Leu Leu	His Pro Ser Leu Arg Ser Ile Thr Val Ser
	50 55 60
Arg Arg Ser Ala Gln	Leu Leu Cys Arg Leu Lys Leu Gln Asn His
	65 70 75
Ile Pro Lys Val Pro	Gly Lys Asn Val
	80

PF-0541 PCT

<210> 22
<211> 171
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1817722

<400> 22
Met His Met Ile Leu Lys Val Leu Thr Thr Ala Leu Leu Leu Gln
1 5 10 15
Ala Ala Ser Ala Leu Ala Asn Tyr Ile His Phe Ser Ser Tyr Ser
20 25 30
Lys Asp Gly Ile Gly Val Pro Phe Met Gly Ser Leu Ala Glu Phe
35 40 45
Phe Asp Ile Ala Ser Gln Ile Gln Met Leu Tyr Leu Leu Leu Ser
50 55 60
Leu Cys Met Gly Trp Thr Ile Val Arg Met Lys Lys Ser Gln Ser
65 70 75
Arg Pro Leu Gln Trp Asp Ser Thr Pro Ala Ser Thr Gly Ile Ala
80 85 90
Val Phe Ile Val Met Thr Gln Ser Val Leu Leu Leu Trp Glu Gln
95 100 105
Phe Glu Asp Ile Ser His His Ser Tyr His Ser His His Asn Leu
110 115 120
Ala Gly Ile Leu Leu Ile Val Leu Arg Ile Cys Leu Ala Leu Ser
125 130 135
Leu Gly Cys Gly Leu Tyr Gln Ile Ile Thr Val Glu Arg Ser Thr
140 145 150
Leu Lys Arg Glu Phe Tyr Ile Thr Phe Ala Lys Val Trp Val Trp
155 160 165
Lys Glu Asn Gly Leu Phe
170

<210> 23
<211> 243
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1831290

<400> 23
Met Ser Ser Gly Thr Glu Leu Leu Trp Pro Gly Ala Ala Leu Leu
1 5 10 15
Val Leu Leu Gly Val Ala Ala Ser Leu Cys Val Arg Cys Ser Arg
20 25 30
Pro Gly Ala Lys Arg Ser Glu Lys Ile Tyr Gln Gln Arg Ser Leu
35 40 45
Arg Glu Asp Gln Gln Ser Phe Thr Gly Ser Arg Thr Tyr Ser Leu
50 55 60
Val Gly Gln Ala Trp Pro Gly Pro Leu Ala Asp Met Ala Pro Thr
65 70 75
Arg Lys Asp Lys Leu Leu Gln Phe Tyr Pro Ser Leu Glu Asp Pro
80 85 90
Ala Ser Ser Arg Tyr Gln Asn Phe Ser Lys Gly Ser Arg His Gly
95 100 105
Ser Glu Glu Ala Tyr Ile Asp Pro Ile Ala Met Glu Tyr Tyr Asn
110 115 120
Trp Gly Arg Phe Ser Lys Pro Pro Glu Asp Asp Asp Ala Asn Ser

				125					130					135
Tyr	Glu	Asn	Val	Leu	Ile	Cys	Lys	Gln	Lys	Thr	Thr	Glu	Thr	Gly
				140					145					150
Ala	Gln	Gln	Glu	Gly	Ile	Gly	Gly	Leu	Cys	Arg	Gly	Asp	Leu	Ser
				155					160					165
Leu	Ser	Leu	Ala	Leu	Lys	Thr	Gly	Pro	Thr	Ser	Gly	Leu	Cys	Pro
				170					175					180
Ser	Ala	Ser	Pro	Glu	Glu	Asp	Glu	Glu	Ser	Glu	Asp	Tyr	Gln	Asn
				185					190					195
Ser	Ala	Ser	Ile	His	Gln	Trp	Arg	Glu	Ser	Arg	Lys	Val	Met	Gly
				200					205					210
Gln	Leu	Gln	Arg	Glu	Ala	Ser	Pro	Gly	Pro	Val	Gly	Ser	Pro	Asp
				215					220					225
Glu	Glu	Asp	Gly	Glu	Pro	Asp	Tyr	Val	Asn	Gly	Glu	Val	Ala	Ala
				230					235					240
Thr	Glu	Ala												

<210> 24

<211> 311

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1831477

<400> 24

Met	Gly	Val	Pro	Thr	Ala	Pro	Glu	Ala	Gly	Ser	Trp	Arg	Trp	Gly
1				5					10					15
Ser	Leu	Leu	Phe	Ala	Leu	Phe	Leu	Ala	Ala	Ser	Leu	Gly	Pro	Val
				20					25					30
Ala	Ala	Phe	Lys	Val	Ala	Thr	Pro	Tyr	Ser	Leu	Tyr	Val	Cys	Pro
				35					40					45
Glu	Gly	Gln	Asn	Val	Thr	Leu	Thr	Cys	Arg	Leu	Leu	Gly	Pro	Val
				50					55					60
Asp	Lys	Gly	His	Asp	Val	Thr	Phe	Tyr	Lys	Thr	Trp	Tyr	Arg	Ser
				65					70					75
Ser	Arg	Gly	Glu	Val	Gln	Thr	Cys	Ser	Glu	Arg	Arg	Pro	Ile	Arg
				80					85					90
Asn	Leu	Thr	Phe	Gln	Asp	Leu	His	Leu	His	His	Gly	Gly	His	Gln
				95					100					105
Ala	Ala	Asn	Thr	Ser	His	Asp	Leu	Ala	Gln	Arg	His	Gly	Leu	Glu
				110					115					120
Ser	Ala	Ser	Asp	His	His	Gly	Asn	Phe	Ser	Ile	Thr	Met	Arg	Asn
				125					130					135
Leu	Thr	Leu	Leu	Asp	Ser	Gly	Leu	Tyr	Cys	Cys	Leu	Val	Val	Glu
				140					145					150
Ile	Arg	His	His	His	Ser	Glu	His	Arg	Val	His	Gly	Ala	Met	Glu
				155					160					165
Leu	Gln	Val	Gln	Thr	Gly	Lys	Asp	Ala	Pro	Ser	Asn	Cys	Val	Val
				170					175					180
Tyr	Pro	Ser	Ser	Ser	Gln	Glu	Ser	Glu	Asn	Ile	Thr	Ala	Ala	Ala
				185					190					195
Leu	Ala	Thr	Gly	Ala	Cys	Ile	Val	Gly	Ile	Leu	Cys	Leu	Pro	Leu
				200					205					210
Ile	Leu	Leu	Leu	Val	Tyr	Lys	Gln	Arg	Gln	Ala	Ala	Ser	Asn	Arg
				215					220					225
Arg	Ala	Gln	Glu	Leu	Val	Arg	Met	Asp	Ser	Asn	Ile	Gln	Gly	Ile
				230					235					240
Glu	Asn	Pro	Gly	Phe	Glu	Ala	Ser	Pro	Pro	Ala	Gln	Gly	Ile	Pro
				245					250					255
Glu	Ala	Lys	Val	Arg	His	Pro	Leu	Ser	Tyr	Val	Ala	Gln	Arg	Gln
				260					265					270

PF-0541 PCT

Pro	Ser	Glu	Ser	Gly	Arg	His	Leu	Leu	Ser	Glu	Pro	Ser	Thr	Pro
				275					280					285
Leu	Ser	Pro	Pro	Gly	Pro	Gly	Asp	Val	Phe	Phe	Pro	Ser	Leu	Asp
				290					295					300
Pro	Val	Pro	Asp	Ser	Pro	Asn	Phe	Glu	Val	Ile				
				305					310					

<210> 25
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1841607

<400>	25													
Met	Ala	Ser	Ser	Cys	Phe	Ser	Leu	Ser	Phe	Pro	Pro	Leu	Ser	Leu
1				5					10					15
Ala	Gly	Ser	Leu	Ala	Leu	Trp	Gly	His	Cys	Cys	Val	Arg	Leu	Gly
				20					25					30
Cys	Ser	Phe	Trp	Ser	Val	Ser	Ala	Met	Ala	Gln	Arg	Leu	Pro	Ser
				35					40					45
Gln	Asn	Thr	Tyr	Asn	Pro	Pro	Leu	Cys	Trp	Ala	Trp			
				50					55					

<210> 26
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1852391

<400>	26													
Met	Phe	Ser	Leu	Phe	Ser	Cys	Leu	Leu	Ala	Cys	Leu	Leu	Asp	Leu
1				5					10					15
Leu	Leu	Ser	Arg	Val	Ala	Asp	Glu	Ala	Phe	Tyr	Lys	Gln	Pro	Phe
				20					25					30
Ala	Asp	Val	Ile	Gly	Tyr	Val	Tyr	Val	Ala	Lys	Leu	Ile	Pro	Phe
				35					40					45
Ser	Thr	Ser	Asp	Ser	Phe	Tyr	Phe	Cys	Leu	Glu	Leu	Met	Leu	Leu
				50					55					60
Leu	Cys	His	Gln	Leu	Leu	Cys	Phe	Leu	Asn	Tyr	Phe	Lys	Leu	Ala
				65					70					75
Leu	Trp	Gly	Leu	Pro	Lys	Asn								
				80										

<210> 27
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature

<223> Incyte Clone No: 1854555

<400> 27

Met	Ala	Gly	Thr	Val	Leu	Gly	Val	Gly	Ala	Gly	Val	Phe	Ile	Leu	
1				5					10					15	
Ala	Leu	Leu	Trp	Val	Ala	Val	Leu	Leu	Leu	Cys	Val	Leu	Leu	Ser	
				20					25					30	
Arg	Ala	Ser	Gly	Ala	Ala	Arg	Phe	Ser	Val	Ile	Phe	Leu	Phe	Phe	
				35					40					45	
Gly	Ala	Val	Ile	Ile	Thr	Ser	Val	Leu	Leu	Leu	Phe	Pro	Arg	Ala	
				50					55					60	
Gly	Glu	Phe	Pro	Ala	Pro	Glu	Val	Glu	Val	Lys	Ile	Val	Asp	Asp	
				65					70					75	
Phe	Phe	Ile	Gly	Arg	Tyr	Val	Leu	Leu	Ala	Phe	Leu	Ser	Ala	Ile	
				80					85					90	
Phe	Leu	Gly	Gly	Leu	Phe	Leu	Val	Leu	Ile	His	Tyr	Val	Leu	Glu	
				95					100					105	
Pro	Ile	Tyr	Ala	Lys	Pro	Leu	His	Ser	Tyr						
				110					115						

<210> 28

<211> 327

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1855755

<400> 28

Met	Ala	Glu	Leu	Pro	Gly	Pro	Phe	Leu	Cys	Gly	Ala	Leu	Leu	Gly	
1				5					10					15	
Phe	Leu	Cys	Leu	Ser	Gly	Leu	Ala	Val	Glu	Val	Lys	Val	Pro	Thr	
				20					25					30	
Glu	Pro	Leu	Ser	Thr	Pro	Leu	Gly	Lys	Thr	Ala	Glu	Leu	Thr	Cys	
				35					40					45	
Thr	Tyr	Ser	Thr	Ser	Val	Gly	Asp	Ser	Phe	Ala	Leu	Glu	Trp	Ser	
				50					55					60	
Phe	Val	Gln	Pro	Gly	Lys	Pro	Ile	Ser	Glu	Ser	His	Pro	Ile	Leu	
				65					70					75	
Tyr	Phe	Thr	Asn	Gly	His	Leu	Tyr	Pro	Thr	Gly	Ser	Lys	Ser	Lys	
				80					85					90	
Arg	Val	Ser	Leu	Leu	Gln	Asn	Pro	Pro	Thr	Val	Gly	Val	Ala	Thr	
				95					100					105	
Leu	Lys	Leu	Thr	Asp	Val	His	Pro	Ser	Asp	Thr	Gly	Thr	Tyr	Leu	
				110					115					120	
Cys	Gln	Val	Asn	Asn	Pro	Pro	Asp	Phe	Tyr	Thr	Asn	Gly	Leu	Gly	
				125					130					135	
Leu	Ile	Asn	Leu	Thr	Val	Leu	Val	Pro	Pro	Ser	Asn	Pro	Leu	Cys	
				140					145					150	
Ser	Gln	Ser	Gly	Gln	Thr	Ser	Val	Gly	Gly	Ser	Thr	Ala	Leu	Arg	
				155					160					165	
Cys	Ser	Ser	Ser	Glu	Gly	Ala	Pro	Lys	Pro	Val	Tyr	Asn	Trp	Val	
				170					175					180	
Arg	Leu	Gly	Thr	Phe	Pro	Thr	Pro	Ser	Pro	Gly	Ser	Met	Val	Gln	
				185					190					195	
Asp	Glu	Val	Ser	Gly	Gln	Leu	Ile	Leu	Thr	Asn	Leu	Ser	Leu	Thr	
				200					205					210	
Ser	Ser	Gly	Thr	Tyr	Arg	Cys	Val	Ala	Thr	Asn	Gln	Met	Gly	Ser	
				215					220					225	
Ala	Ser	Cys	Glu	Leu	Thr	Leu	Ser	Val	Thr	Glu	Pro	Ser	Gln	Gly	
				230					235					240	

Arg	Val	Ala	Gly	Ala	Leu	Ile	Gly	Val	Leu	Leu	Gly	Val	Leu	Leu
				245					250					255
Leu	Ser	Val	Ala	Ala	Phe	Cys	Leu	Val	Arg	Phe	Gln	Lys	Glu	Arg
				260					265					270
Gly	Lys	Lys	Pro	Lys	Glu	Thr	Tyr	Gly	Gly	Ser	Asp	Leu	Arg	Glu
				275					280					285
Asp	Ala	Ile	Ala	Pro	Gly	Ile	Ser	Glu	His	Thr	Cys	Met	Arg	Ala
				290					295					300
Asp	Ser	Ser	Lys	Gly	Phe	Leu	Glu	Arg	Pro	Ser	Ser	Ala	Ser	Thr
				305					310					315
Val	Thr	Thr	Thr	Lys	Ser	Lys	Leu	Pro	Met	Val	Val			
				320					325					

<210> 29
 <211> 133
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1861434

<400>	29													
Met	Arg	Met	Ser	Leu	Ala	Gln	Arg	Val	Leu	Leu	Thr	Trp	Leu	Phe
1				5					10					15
Thr	Leu	Leu	Phe	Leu	Ile	Met	Leu	Val	Leu	Lys	Leu	Asp	Glu	Lys
				20					25					30
Ala	Pro	Trp	Asn	Trp	Phe	Leu	Ile	Phe	Ile	Pro	Val	Trp	Ile	Phe
				35					40					45
Asp	Thr	Ile	Leu	Leu	Val	Leu	Leu	Ile	Val	Lys	Met	Ala	Gly	Arg
				50					55					60
Cys	Lys	Ser	Gly	Phe	Asp	Pro	Arg	His	Gly	Ser	His	Asn	Ile	Lys
				65					70					75
Lys	Lys	Ala	Trp	Tyr	Leu	Ile	Ala	Met	Leu	Leu	Lys	Leu	Ala	Phe
				80					85					90
Cys	Leu	Ala	Leu	Cys	Ala	Lys	Leu	Glu	Gln	Phe	Thr	Thr	Met	Asn
				95					100					105
Leu	Ser	Tyr	Val	Phe	Ile	Pro	Leu	Trp	Ala	Leu	Leu	Ala	Gly	Ala
				110					115					120
Leu	Thr	Glu	Leu	Gly	Tyr	Asn	Val	Phe	Phe	Val	Arg	Asp		
				125					130					

<210> 30
 <211> 129
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1872334

<400>	30													
Met	Gly	Leu	Thr	Leu	Leu	Leu	Leu	Leu	Leu	Gly	Leu	Glu	Gly	
1				5					10					15
Gln	Gly	Ile	Val	Gly	Ser	Leu	Pro	Glu	Val	Leu	Gln	Ala	Pro	Val
				20					25					30
Gly	Ser	Ser	Ile	Leu	Val	Gln	Cys	His	Tyr	Arg	Leu	Gln	Asp	Val
				35					40					45
Lys	Ala	Gln	Lys	Val	Trp	Cys	Arg	Phe	Leu	Pro	Glu	Gly	Cys	Gln

Pro	Leu	Val	Ser	50	Ser	Ala	Val	Asp	Arg	55	Arg	Ala	Pro	Ala	Gly	60	Arg
Arg	Thr	Phe	Leu	65	Thr	Asp	Leu	Gly	Gly	70	Gly	Leu	Leu	Gln	Val	75	Glu
Met	Val	Thr	Leu	80	Gln	Glu	Glu	Asp	Ala	85	Gly	Glu	Tyr	Gly	Cys	90	Met
Val	Asp	Gly	Ala	95	Arg	Gly	Pro	Gln	Ile	100	Leu	His	Arg	Val	Ser	105	Leu
Asn	Ile	Leu	Pro	110	Pro	Gly	Glu	Leu	Ser	115						120	
				125													

<210> 31
 <211> 472
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1877230

Met	Lys	Phe	Leu	Ile	Phe	Ala	Phe	Phe	Gly	31	Gly	Val	His	Leu	Leu		
1				5					10						15		
Ser	Leu	Cys	Ser	Gly	Lys	Ala	Ile	Cys	Lys	20	Asn	Gly	Ile	Ser	Lys		
				25					25						30		
Arg	Thr	Phe	Glu	Glu	Ile	Lys	Glu	Glu	Ile	35	Ala	Ser	Cys	Gly	Asp		
				40					40						45		
Val	Ala	Lys	Ala	Ile	Ile	Asn	Leu	Ala	Val	50	Tyr	Gly	Lys	Ala	Gln		
				55					55						60		
Asn	Arg	Ser	Tyr	Glu	Arg	Leu	Ala	Leu	Leu	65	Val	Asp	Thr	Val	Gly		
				70					70						75		
Pro	Arg	Leu	Ser	Gly	Ser	Lys	Asn	Leu	Glu	80	Lys	Ala	Ile	Gln	Ile		
				85					85						90		
Met	Tyr	Gln	Asn	Leu	Gln	Gln	Asp	Gly	Leu	95	Glu	Lys	Val	His	Leu		
				100					100						105		
Glu	Pro	Val	Arg	Ile	Pro	His	Trp	Glu	Arg	110	Gly	Glu	Glu	Ser	Ala		
				115					115						120		
Val	Met	Leu	Glu	Pro	Arg	Ile	His	Lys	Ile	125	Ala	Ile	Leu	Gly	Leu		
				130					130						135		
Gly	Ser	Ser	Ile	Gly	Thr	Pro	Pro	Glu	Gly	140	Ile	Thr	Ala	Glu	Val		
				145					145						150		
Leu	Val	Val	Thr	Ser	Phe	Asp	Glu	Leu	Gln	155	Arg	Arg	Ala	Ser	Glu		
				160					160						165		
Ala	Arg	Gly	Lys	Ile	Val	Val	Tyr	Asn	Gln	170	Pro	Tyr	Ile	Asn	Tyr		
				175					175						180		
Ser	Arg	Thr	Val	Gln	Tyr	Arg	Thr	Gln	Gly	185	Ala	Val	Glu	Ala	Ala		
				190					190						195		
Lys	Val	Gly	Ala	Leu	Ala	Ser	Leu	Ile	Arg	200	Ser	Val	Ala	Ser	Phe		
				205					205						210		
Ser	Ile	Tyr	Ser	Pro	His	Thr	Gly	Ile	Gln	215	Glu	Tyr	Gln	Asp	Gly		
				220					220						225		
Val	Pro	Lys	Ile	Pro	Thr	Ala	Cys	Ile	Thr	230	Val	Glu	Asp	Ala	Glu		
				235					235						240		
Met	Met	Ser	Arg	Met	Ala	Ser	His	Gly	Ile	245	Lys	Ile	Val	Ile	Gln		
				250					250						255		
Leu	Lys	Met	Gly	Ala	Lys	Thr	Tyr	Pro	Asp	260	Thr	Asp	Ser	Phe	Asn		
				265					265						270		
Thr	Val	Ala	Glu	Ile	Thr	Gly	Ser	Lys	Tyr	275	Pro	Glu	Gln	Val	Val		
				280					280						285		
Leu	Val	Ser	Gly	His	Leu	Asp	Ser	Trp	Asp	290	Val	Gly	Gln	Gly	Ala		
				295					295						300		

Met	Asp	Asp	Gly	Gly	Gly	Ala	Phe	Ile	Ser	Trp	Glu	Ala	Leu	Ser
				305					310					315
Leu	Ile	Lys	Asp	Leu	Gly	Leu	Arg	Pro	Lys	Arg	Thr	Leu	Arg	Leu
				320					325					330
Val	Leu	Trp	Thr	Ala	Glu	Glu	Gln	Gly	Gly	Val	Gly	Ala	Phe	Gln
				335					340					345
Tyr	Tyr	Gln	Leu	His	Lys	Val	Asn	Ile	Ser	Asn	Tyr	Ser	Leu	Val
				350					355					360
Met	Glu	Ser	Asp	Ala	Gly	Thr	Phe	Leu	Pro	Thr	Gly	Leu	Gln	Phe
				365					370					375
Thr	Gly	Ser	Glu	Lys	Ala	Arg	Ala	Ile	Met	Glu	Glu	Val	Met	Ser
				380					385					390
Leu	Leu	Gln	Pro	Leu	Asn	Ile	Thr	Gln	Val	Leu	Ser	His	Gly	Glu
				395					400					405
Gly	Thr	Asp	Ile	Asn	Phe	Trp	Ile	Gln	Ala	Gly	Val	Pro	Gly	Ala
				410					415					420
Ser	Leu	Leu	Asp	Asp	Leu	Tyr	Lys	Tyr	Phe	Phe	Phe	His	His	Ser
				425					430					435
His	Gly	Asp	Thr	Met	Thr	Val	Met	Asp	Pro	Lys	Gln	Met	Asn	Val
				440					445					450
Ala	Ala	Ala	Val	Trp	Ala	Val	Val	Ser	Tyr	Val	Val	Ala	Asp	Met
				455					460					465
Glu	Glu	Met	Leu	Pro	Arg	Ser								
				470										

<210> 32
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1877885

<400>	32													
Met	Ile	His	Leu	Gly	His	Ile	Leu	Phe	Leu	Leu	Leu	Pro	Val	
1				5					10				15	
Ala	Ala	Ala	Gln	Thr	Thr	Pro	Gly	Glu	Arg	Ser	Ser	Leu	Pro	Ala
				20					25					30
Phe	Tyr	Pro	Gly	Thr	Ser	Gly	Ser	Cys	Ser	Gly	Cys	Gly	Ser	Leu
				35					40					45
Ser	Leu	Pro	Leu	Leu	Ala	Gly	Leu	Val	Ala	Ala	Asp	Ala	Val	Ala
				50					55					60
Ser	Leu	Leu	Ile	Val	Gly	Ala	Val	Phe	Leu	Cys	Ala	Arg	Pro	Arg
				65					70					75
Arg	Ser	Pro	Ala	Gln	Glu	Asp	Gly	Lys	Val	Tyr	Ile	Asn	Met	Pro
				80					85					90
Gly	Arg	Gly												

<210> 33
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1889269

<400> 33

Met	Asn	Arg	Pro	Ser	Ala	Arg	Asn	Ala	Leu	Gly	Asn	Val	Phe	Val
1				5					10					15
Ser	Glu	Leu	Leu	Glu	Thr	Leu	Ala	Gln	Leu	Arg	Glu	Asp	Arg	Gln
				20					25					30
Val	Arg	Val	Leu	Leu	Phe	Arg	Ser	Gly	Val	Lys	Gly	Val	Phe	Cys
				35					40					45
Ala	Gly	Ala	Asp	Leu	Lys	Glu	Arg	Glu	Gln	Met	Ser	Glu	Ala	Glu
				50					55					60
Val	Gly	Val	Phe	Val	Gln	Arg	Leu	Arg	Gly	Leu	Met	Asn	Asp	Ile
				65					70					75
Gly	Glu	Asp	Leu	Gly	Val	Gly	Trp	Arg	Arg	Gly	Phe	Gly	Gly	Pro
				80					85					90
Cys	Arg													

<210> 34
 <211> 143
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1890243

Met	Trp	Ile	Lys	Gly	Thr	Met	Lys	Met	Arg	Gly	Gly	Lys	Thr	Ser
1				5					10					15
Arg	Ser	Ala	Val	Leu	Pro	Val	Ala	Gln	Leu	Thr	Leu	Ile	Ala	Ser
				20					25					30
Cys	Phe	Pro	Asn	Ser	Gln	Thr	Val	Leu	Gly	Thr	Glu	Gly	Thr	Leu
				35					40					45
Asp	Val	Glu	Ser	Ser	Pro	Leu	Ala	Leu	Leu	Thr	Gly	Leu	Trp	Ala
				50					55					60
Ser	Pro	Glu	Ser	Leu	Ser	Leu	Tyr	Leu	Val	Thr	Leu	Leu	Cys	Val
				65					70					75
Cys	Pro	Ala	Leu	Gln	Ser	Cys	Gln	Gly	Gln	Gln	Ala	Asp	Val	Thr
				80					85					90
Leu	Ala	Pro	Cys	Glu	Ile	Phe	Ile	Pro	Gln	Thr	Leu	Ala	Cys	Glu
				95					100					105
Pro	Phe	Pro	Ser	Gln	Trp	Arg	Ala	Leu	Lys	Gly	Ala	Ser	Leu	Glu
				110					115					120
Ser	Ser	Ser	Val	Leu	Trp	Val	Ala	Pro	Cys	Arg	Trp	Pro	Leu	Thr
				125					130					135
Leu	Arg	Cys	Ser	Arg	Val	His	Leu							
				140										

<210> 35
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1900433

Met	Glu	Arg	Val	Thr	Leu	Ala	Leu	Leu	Leu	Leu	Ala	Gly	Leu	Thr
1				5										15
Ala	Leu	Glu	Ala	Asn	Asp	Pro	Phe	Ala	Asn	Lys	Asp	Asp	Pro	Phe
				20					25					30

Tyr	Tyr	Asp	Trp	Lys	Asn	Leu	Gln	Leu	Ser	Gly	Leu	Ile	Cys	Gly
				35					40					45
Gly	Leu	Leu	Ala	Ile	Ala	Gly	Ile	Ala	Ala	Val	Leu	Ser	Gly	Lys
				50					55					60
Cys	Lys	Tyr	Lys	Ser	Ser	Gln	Lys	Gln	His	Ser	Pro	Val	Pro	Glu
				65					70					75
Lys	Ala	Ile	Pro	Leu	Ile	Thr	Pro	Gly	Ser	Ala	Thr	Thr	Cys	
				80					85					

<210> 36

<211> 560

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1909441

<400> 36

Met	Ala	Lys	Lys	Lys	Leu	Thr	Glu	Met	Ile	Pro	Leu	Cys	Asn	His
1				5					10					15
Pro	Ala	Ser	Phe	Val	Lys	Leu	Phe	Val	Ala	Leu	Gly	Pro	Ile	Ala
				20					25					30
Gly	Pro	Glu	Glu	Lys	Lys	Gln	Leu	Lys	Ser	Thr	Met	Leu	Leu	Met
				35					40					45
Ser	Glu	Asp	Leu	Thr	Gly	Glu	Gln	Ala	Leu	Ala	Val	Leu	Gly	Ala
				50					55					60
Met	Gly	Asp	Met	Glu	Ser	Arg	Asn	Ser	Cys	Leu	Ile	Lys	Arg	Val
				65					70					75
Thr	Ser	Val	Leu	His	Lys	His	Leu	Asp	Gly	Tyr	Lys	Pro	Leu	Glu
				80					85					90
Leu	Leu	Lys	Ile	Thr	Gln	Glu	Leu	Thr	Phe	Leu	His	Phe	Gln	Arg
				95					100					105
Lys	Glu	Phe	Phe	Ala	Lys	Leu	Arg	Glu	Leu	Leu	Leu	Ser	Tyr	Leu
				110					115					120
Lys	Asn	Ser	Phe	Ile	Pro	Thr	Glu	Val	Ser	Val	Leu	Val	Arg	Ala
				125					130					135
Ile	Ser	Leu	Leu	Pro	Ser	Pro	His	Leu	Asp	Glu	Val	Gly	Ile	Ser
				140					145					150
Arg	Ile	Glu	Ala	Val	Leu	Pro	Gln	Cys	Asp	Leu	Asn	Asn	Leu	Ser
				155					160					165
Ser	Phe	Ala	Thr	Ser	Val	Leu	Arg	Trp	Ile	Gln	His	Asp	His	Met
				170					175					180
Tyr	Leu	Asp	Asn	Met	Thr	Ala	Lys	Gln	Leu	Lys	Leu	Leu	Gln	Lys
				185					190					195
Leu	Asp	His	Tyr	Gly	Arg	Gln	Arg	Leu	Gln	His	Ser	Asn	Ser	Leu
				200					205					210
Asp	Leu	Leu	Arg	Lys	Glu	Leu	Lys	Ser	Leu	Lys	Gly	Asn	Thr	Phe
				215					220					225
Pro	Glu	Ser	Leu	Leu	Glu	Glu	Met	Ile	Ala	Thr	Leu	Gln	His	Phe
				230					235					240
Met	Asp	Asp	Ile	Asn	Tyr	Ile	Asn	Val	Gly	Glu	Ile	Ala	Ser	Phe
				245					250					255
Ile	Ser	Ser	Thr	Asp	Tyr	Leu	Ser	Thr	Leu	Leu	Leu	Asp	Arg	Ile
				260					265					270
Ala	Ser	Val	Ala	Val	Gln	Gln	Ile	Glu	Lys	Ile	His	Pro	Phe	Thr
				275					280					285
Ile	Pro	Ala	Ile	Ile	Arg	Pro	Phe	Ser	Val	Leu	Asn	Tyr	Asp	Pro
				290					295					300
Pro	Gln	Arg	Asp	Glu	Phe	Leu	Gly	Thr	Cys	Val	Gln	His	Leu	Asn
				305					310					315
Ser	Tyr	Leu	Gly	Ile	Leu	Asp	Pro	Phe	Ile	Leu	Val	Phe	Leu	Gly

	320		325		330
Phe Ser Leu Ala	Thr Leu Glu Tyr Phe	Pro Glu Asp Leu Leu	Lys		
	335		340		345
Ala Ile Phe Asn	Ile Lys Phe Leu Ala	Arg Leu Asp Ser Gln	Leu		
	350		355		360
Glu Ile Leu Ser	Pro Ser Arg Ser Ala	Arg Val Gln Phe His	Leu		
	365		370		375
Met Glu Leu Asn	Arg Ser Val Cys Leu	Glu Cys Pro Glu Phe	Gln		
	380		385		390
Ile Pro Trp Phe	His Asp Arg Phe Cys	Gln Gln Tyr Asn Lys	Gly		
	395		400		405
Ile Gly Gly Met	Asp Gly Thr Gln Gln	Gln Ile Phe Lys Met	Leu		
	410		415		420
Ala Glu Val Leu	Gly Gly Ile Asn Cys	Val Lys Ala Ser Val	Leu		
	425		430		435
Thr Pro Tyr Tyr	His Lys Val Asp Phe	Glu Cys Ile Leu Asp	Lys		
	440		445		450
Arg Lys Lys Pro	Leu Pro Tyr Gly Ser	His Asn Ile Ala Leu	Gly		
	455		460		465
Gln Leu Pro Glu	Met Pro Trp Glu Ser	Asn Ile Glu Ile Val	Gly		
	470		475		480
Ser Arg Leu Pro	Pro Gly Ala Glu Arg	Ile Ala Leu Glu Phe	Leu		
	485		490		495
Asp Ser Lys Ala	Leu Cys Arg Asn Ile	Pro His Met Lys Gly	Lys		
	500		505		510
Ser Ala Met Lys	Lys Arg His Leu Glu	Ile Leu Gly Tyr Arg	Val		
	515		520		525
Ile Gln Ile Ser	Gln Phe Glu Trp Asn	Ser Met Ala Leu Ser	Thr		
	530		535		540
Lys Asp Ala Arg	Met Asp Tyr Leu Arg	Glu Cys Ile Phe Gly	Glu		
	545		550		555
Val Lys Ser Cys	Leu				
	560				

<210> 37
 <211> 197
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1932226

<400> 37

Met Gly Val Pro Leu Gly Leu Gly Ala Ala	Trp Leu Leu Ala Trp
1 5 10	15
Pro Gly Leu Ala Leu Pro Leu Val Ala Met	Ala Ala Gly Gly Arg
20 25	30
Trp Val Arg Gln Gln Gly Pro Arg Val Arg	Arg Gly Ile Ser Arg
35 40	45
Leu Trp Leu Arg Val Leu Leu Arg Leu Ser	Pro Met Ala Phe Arg
50 55	60
Ala Leu Gln Gly Cys Gly Ala Val Gly Asp	Arg Gly Leu Phe Ala
65 70	75
Leu Tyr Pro Lys Thr Asn Lys Asp Gly Phe	Arg Ser Arg Leu Pro
80 85	90
Val Pro Gly Pro Arg Arg Arg Asn Pro Arg	Thr Thr Gln His Pro
95 100	105
Leu Ala Leu Leu Ala Arg Val Trp Val Leu	Cys Lys Gly Trp Asn
110 115	120
Trp Arg Leu Ala Arg Ala Ser Gln Gly Leu	Ala Ser His Leu Pro
125 130	135

Pro	Trp	Ala	Ile	His	Thr	Leu	Ala	Ser	Trp	Gly	Leu	Leu	Arg	Gly
				140					145					150
Glu	Arg	Pro	Thr	Arg	Ile	Pro	Arg	Leu	Leu	Pro	Arg	Ser	Gln	Arg
				155					160					165
Gln	Leu	Gly	Pro	Pro	Ala	Ser	Arg	Gln	Pro	Leu	Pro	Gly	Thr	Leu
				170					175					180
Ala	Gly	Arg	Arg	Ser	Arg	Thr	Arg	Gln	Ser	Arg	Ala	Leu	Pro	Pro
				185					190					195
Trp	Arg													

<210> 38
 <211> 437
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1932647

<400> 38

Met	Ser	Ala	Val	Leu	Leu	Leu	Ala	Leu	Leu	Gly	Phe	Ile	Leu	Pro
1				5					10					15
Leu	Pro	Gly	Val	Gln	Ala	Leu	Leu	Cys	Gln	Phe	Gly	Thr	Val	Gln
				20					25					30
His	Val	Trp	Lys	Val	Ser	Asp	Leu	Pro	Arg	Gln	Trp	Thr	Pro	Lys
				35					40					45
Asn	Thr	Ser	Cys	Asp	Ser	Gly	Leu	Gly	Cys	Gln	Asp	Thr	Leu	Met
				50					55					60
Leu	Ile	Glu	Ser	Gly	Pro	Gln	Val	Ser	Leu	Val	Leu	Ser	Lys	Gly
				65					70					75
Cys	Thr	Glu	Ala	Lys	Asp	Gln	Glu	Pro	Arg	Val	Thr	Glu	His	Arg
				80					85					90
Met	Gly	Pro	Gly	Leu	Ser	Leu	Ile	Ser	Tyr	Thr	Phe	Val	Cys	Arg
				95					100					105
Gln	Glu	Asp	Phe	Cys	Asn	Asn	Leu	Val	Asn	Ser	Leu	Pro	Leu	Trp
				110					115					120
Ala	Pro	Gln	Pro	Pro	Ala	Asp	Pro	Gly	Ser	Leu	Arg	Cys	Pro	Val
				125					130					135
Cys	Leu	Ser	Met	Glu	Gly	Cys	Leu	Glu	Gly	Thr	Thr	Glu	Glu	Ile
				140					145					150
Cys	Pro	Lys	Gly	Thr	Thr	His	Cys	Tyr	Asp	Gly	Leu	Leu	Arg	Leu
				155					160					165
Arg	Gly	Gly	Gly	Ile	Phe	Ser	Asn	Leu	Arg	Val	Gln	Gly	Cys	Met
				170					175					180
Pro	Gln	Pro	Gly	Cys	Asn	Leu	Leu	Asn	Gly	Thr	Gln	Glu	Ile	Gly
				185					190					195
Pro	Val	Gly	Met	Thr	Glu	Asn	Cys	Asn	Arg	Lys	Asp	Phe	Leu	Thr
				200					205					210
Cys	His	Arg	Gly	Thr	Thr	Ile	Met	Thr	His	Gly	Asn	Leu	Ala	Gln
				215					220					225
Glu	Pro	Thr	Asp	Trp	Thr	Thr	Ser	Asn	Thr	Glu	Met	Cys	Glu	Val
				230					235					240
Gly	Gln	Val	Cys	Gln	Glu	Thr	Leu	Leu	Leu	Ile	Asp	Val	Gly	Leu
				245					250					255
Thr	Ser	Thr	Leu	Val	Gly	Thr	Lys	Gly	Cys	Ser	Thr	Val	Gly	Ala
				260					265					270
Gln	Asn	Ser	Gln	Lys	Thr	Thr	Ile	His	Ser	Ala	Pro	Pro	Gly	Val
				275					280					285
Leu	Val	Ala	Ser	Tyr	Thr	His	Phe	Cys	Ser	Ser	Asp	Leu	Cys	Asn
				290					295					300
Ser	Ala	Ser	Ser	Ser	Ser	Val	Leu	Leu	Asn	Ser	Leu	Pro	Pro	Gln
				305					310					315

Ala	Ala	Pro	Val	Pro	Gly	Asp	Arg	Gln	Cys	Pro	Thr	Cys	Val	Gln
				320					325					330
Pro	Leu	Gly	Thr	Cys	Ser	Ser	Gly	Ser	Pro	Arg	Met	Thr	Cys	Pro
				335					340					345
Arg	Gly	Ala	Thr	His	Cys	Tyr	Asp	Gly	Tyr	Ile	His	Leu	Ser	Gly
				350					355					360
Gly	Gly	Leu	Ser	Thr	Lys	Met	Ser	Ile	Gln	Gly	Cys	Val	Ala	Gln
				365					370					375
Pro	Ser	Ser	Phe	Leu	Leu	Asn	His	Thr	Arg	Gln	Ile	Gly	Ile	Phe
				380					385					390
Ser	Ala	Arg	Glu	Lys	Arg	Asp	Val	Gln	Pro	Pro	Ala	Ser	Gln	His
				395					400					405
Glu	Gly	Gly	Gly	Ala	Glu	Gly	Leu	Glu	Ser	Leu	Thr	Trp	Gly	Val
				410					415					420
Gly	Leu	Ala	Leu	Ala	Pro	Ala	Leu	Trp	Trp	Gly	Val	Val	Cys	Pro
				425					430					435
Ser	Cys													

<210> 39
 <211> 330
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> Incyte Clone No: 2124245

<400> 39														
Met	Glu	Gly	Ala	Pro	Pro	Gly	Ser	Leu	Ala	Leu	Arg	Leu	Leu	Leu
1				5					10					15
Phe	Val	Ala	Leu	Pro	Ala	Ser	Gly	Trp	Leu	Thr	Thr	Gly	Ala	Pro
				20					25					30
Glu	Pro	Pro	Pro	Leu	Ser	Gly	Ala	Pro	Gln	Asp	Gly	Ile	Arg	Ile
				35					40					45
Asn	Val	Thr	Thr	Leu	Lys	Asp	Asp	Gly	Asp	Ile	Ser	Lys	Gln	Gln
				50					55					60
Val	Val	Leu	Asn	Ile	Thr	Tyr	Glu	Ser	Gly	Gln	Val	Tyr	Val	Asn
				65					70					75
Asp	Leu	Pro	Val	Asn	Ser	Gly	Val	Thr	Arg	Ile	Ser	Cys	Gln	Thr
				80					85					90
Leu	Ile	Val	Lys	Asn	Glu	Asn	Leu	Glu	Asn	Leu	Glu	Glu	Lys	Glu
				95					100					105
Tyr	Phe	Gly	Ile	Val	Ser	Val	Arg	Ile	Leu	Val	His	Glu	Trp	Pro
				110					115					120
Met	Thr	Ser	Gly	Ser	Ser	Leu	Gln	Leu	Ile	Val	Ile	Gln	Glu	Glu
				125					130					135
Val	Val	Glu	Ile	Asp	Gly	Lys	Gln	Val	Gln	Gln	Lys	Asp	Val	Thr
				140					145					150
Glu	Ile	Asp	Ile	Leu	Val	Lys	Asn	Arg	Gly	Val	Leu	Arg	His	Ser
				155					160					165
Asn	Tyr	Thr	Leu	Pro	Leu	Glu	Glu	Ser	Met	Leu	Tyr	Ser	Ile	Ser
				170					175					180
Arg	Asp	Ser	Asp	Ile	Leu	Phe	Thr	Leu	Pro	Asn	Leu	Ser	Lys	Lys
				185					190					195
Glu	Ser	Val	Ser	Ser	Leu	Gln	Thr	Thr	Ser	Gln	Tyr	Leu	Ile	Arg
				200					205					210
Asn	Val	Glu	Thr	Thr	Val	Asp	Glu	Asp	Val	Leu	Pro	Gly	Lys	Leu
				215					220					225
Pro	Glu	Thr	Pro	Leu	Arg	Ala	Glu	Pro	Pro	Ser	Ser	Tyr	Lys	Val
				230					235					240
Met	Cys	Gln	Trp	Met	Glu	Lys	Phe	Arg	Lys	Asp	Leu	Cys	Arg	Phe
				245					250					255

Trp	Ser	Asn	Val	Phe	Pro	Val	Phe	Phe	Gln	Phe	Leu	Asn	Ile	Met
				260					265					270
Val	Val	Gly	Ile	Thr	Gly	Ala	Ala	Val	Val	Ile	Thr	Ile	Leu	Lys
				275					280					285
Val	Phe	Phe	Pro	Val	Ser	Glu	Tyr	Lys	Gly	Ile	Leu	Gln	Leu	Asp
				290					295					300
Lys	Val	Asp	Val	Ile	Pro	Val	Thr	Ala	Ile	Asn	Leu	Tyr	Pro	Asp
				305					310					315
Gly	Pro	Glu	Lys	Arg	Ala	Glu	Asn	Leu	Glu	Asp	Lys	Thr	Cys	Ile
				320					325					330

<210> 40
 <211> 148
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2132626

<400> 40														
Met	Glu	Thr	Gly	Ala	Leu	Arg	Arg	Pro	Gln	Leu	Leu	Pro	Leu	Leu
1				5					10					15
Leu	Leu	Leu	Cys	Gly	Gly	Cys	Pro	Arg	Ala	Gly	Gly	Cys	Asn	Glu
				20					25					30
Thr	Gly	Met	Leu	Glu	Arg	Leu	Pro	Leu	Cys	Gly	Lys	Ala	Phe	Ala
				35					40					45
Asp	Met	Met	Gly	Lys	Val	Asp	Val	Trp	Lys	Trp	Cys	Asn	Leu	Ser
				50					55					60
Glu	Phe	Ile	Val	Tyr	Tyr	Glu	Ser	Phe	Thr	Asn	Cys	Thr	Glu	Met
				65					70					75
Glu	Ala	Asn	Val	Val	Gly	Cys	Tyr	Trp	Pro	Asn	Pro	Leu	Ala	Gln
				80					85					90
Gly	Phe	Ile	Thr	Gly	Ile	His	Arg	Gln	Phe	Phe	Ser	Asn	Cys	Thr
				95					100					105
Val	Asp	Arg	Val	His	Leu	Glu	Asp	Pro	Pro	Asp	Glu	Val	Leu	Ile
				110					115					120
Pro	Leu	Ile	Val	Ile	Pro	Val	Val	Leu	Thr	Val	Ala	Met	Ala	Gly
				125					130					135
Leu	Val	Val	Trp	Arg	Ser	Lys	Arg	Thr	Asp	Thr	Leu	Leu		
				140					145					

<210> 41
 <211> 188
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2280639

<400> 41														
Met	Ala	Pro	Pro	Pro	Pro	Ser	Pro	Gln	Leu	Leu	Leu	Leu	Ala	Ala
1				5					10					15
Leu	Ala	Arg	Leu	Leu	Gly	Pro	Ser	Glu	Val	Met	Ala	Gly	Pro	Ala
				20					25					30
Glu	Glu	Ala	Gly	Ala	His	Cys	Pro	Glu	Ser	Leu	Trp	Pro	Leu	Pro
				35					40					45
Pro	Gln	Val	Ser	Pro	Arg	Val	Thr	Tyr	Thr	Arg	Val	Ser	Pro	Gly
				50					55					60

Gln	Ala	Glu	Asp	Val	Thr	Phe	Leu	Tyr	His	Pro	Cys	Ala	His	Pro
				65					70					75
Trp	Leu	Lys	Leu	Gln	Leu	Ala	Leu	Leu	Ala	Tyr	Ala	Cys	Met	Ala
				80					85					90
Asn	Pro	Ser	Leu	Thr	Pro	Asp	Phe	Ser	Leu	Thr	Gln	Asp	Arg	Pro
				95					100					105
Leu	Val	Leu	Thr	Ala	Trp	Gly	Leu	Ala	Leu	Glu	Met	Ala	Trp	Val
				110					115					120
Glu	Pro	Ala	Trp	Ala	Ala	His	Trp	Leu	Met	Arg	Arg	Arg	Arg	Arg
				125					130					135
Lys	Gln	Arg	Lys	Lys	Lys	Ala	Trp	Ile	Tyr	Cys	Glu	Ser	Leu	Ser
				140					145					150
Gly	Pro	Ala	Pro	Ser	Glu	Pro	Thr	Pro	Gly	Arg	Gly	Arg	Leu	Cys
				155					160					165
Arg	Arg	Gly	Cys	Val	Gln	Ala	Leu	Ala	Leu	Ala	Phe	Ala	Leu	Arg
				170					175					180
Thr	Gly	Gly	Pro	Leu	Ala	Gln	Arg							
				185										

<210> 42
 <211> 222
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2292356

<400>	42													
Met	Ala	Ala	Ala	Ala	Leu	Thr	Ser	Leu	Ser	Thr	Ser	Pro	Leu	Leu
1				5					10					15
Leu	Gly	Ala	Pro	Val	Ala	Ala	Phe	Ser	Pro	Glu	Pro	Gly	Leu	Glu
				20					25					30
Pro	Trp	Lys	Glu	Ala	Leu	Val	Arg	Pro	Pro	Gly	Ser	Tyr	Ser	Ser
				35					40					45
Ser	Ser	Asn	Ser	Gly	Asp	Trp	Gly	Trp	Asp	Leu	Ala	Ser	Asp	Gln
				50					55					60
Ser	Ser	Pro	Ser	Thr	Pro	Ser	Pro	Pro	Leu	Pro	Pro	Glu	Ala	Ala
				65					70					75
His	Phe	Leu	Phe	Gly	Glu	Pro	Thr	Leu	Arg	Lys	Arg	Lys	Ser	Pro
				80					85					90
Ala	Gln	Val	Met	Phe	Gln	Cys	Leu	Trp	Lys	Ser	Cys	Gly	Lys	Val
				95					100					105
Leu	Ser	Thr	Ala	Ser	Ala	Met	Gln	Arg	His	Ile	Arg	Leu	Val	His
				110					115					120
Leu	Gly	Cys	Gly	Gly	Ala	Trp	Gly	Ala	Ala	Gly	Pro	Ala	Gly	Trp
				125					130					135
Leu	Gly	Leu	Leu	Gly	Pro	Ala	Arg	Pro	Pro	Leu	Gln	Leu	Pro	Leu
				140					145					150
Ala	Gly	Cys	Val	Ser	Arg	Arg	Arg	Gln	Ala	Glu	Pro	Glu	Gln	Ser
				155					160					165
Asp	Gly	Glu	Glu	Asp	Phe	Tyr	Tyr	Thr	Glu	Leu	Asp	Val	Gly	Val
				170					175					180
Asp	Thr	Leu	Thr	Asp	Gly	Leu	Ser	Ser	Leu	Thr	Pro	Val	Phe	Pro
				185					190					195
Glu	Gly	Phe	His	Ala	Ser	Leu	Pro	Ser	Pro	Ala	Leu	Lys	Leu	Arg
				200					205					210
Arg	Leu	Gly	Gly	Thr	Arg	Gln	Pro	Arg	Gln	Tyr	Pro			
				215					220					

<210> 43
 <211> 111
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2349310

<400> 43
 Met Gly Pro Ser Ser Cys Leu Leu Leu Ile Leu Ile Pro Leu Leu
 1 5 10 15
 Gln Leu Ile Asn Leu Gly Ser Thr Gln Cys Ser Leu Asp Ser Val
 20 25 30
 Met Asp Lys Lys Ile Lys Asp Val Leu Asn Ser Leu Glu Tyr Ser
 35 40 45
 Pro Ser Pro Ile Ser Lys Lys Leu Ser Cys Ala Ser Val Lys Ser
 50 55 60
 Gln Gly Arg Pro Ser Ser Cys Pro Ala Gly Met Ala Val Thr Gly
 65 70 75
 Cys Ala Cys Gly Tyr Gly Cys Gly Ser Trp Asp Val Gln Leu Glu
 80 85 90
 Thr Thr Cys His Cys Gln Cys Ser Val Val Asp Trp Thr Thr Ala
 95 100 105
 Arg Cys Cys His Leu Thr
 110

<210> 44
 <211> 341
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2373227

<400> 44
 Met Val Pro Ala Ala Gly Ala Leu Leu Trp Val Leu Leu Leu Asn
 1 5 10 15
 Leu Gly Pro Arg Ala Ala Gly Ala Gln Gly Leu Thr Gln Thr Pro
 20 25 30
 Thr Glu Met Gln Arg Val Ser Leu Arg Phe Gly Gly Pro Met Thr
 35 40 45
 Arg Ser Tyr Arg Ser Thr Ala Arg Thr Gly Leu Pro Arg Lys Thr
 50 55 60
 Arg Ile Ile Leu Glu Asp Glu Asn Asp Ala Met Ala Asp Ala Asp
 65 70 75
 Arg Leu Ala Gly Pro Ala Ala Ala Glu Leu Leu Ala Ala Thr Val
 80 85 90
 Ser Thr Gly Phe Ser Arg Ser Ser Ala Ile Asn Glu Glu Asp Gly
 95 100 105
 Ser Ser Glu Glu Gly Val Val Ile Asn Ala Gly Lys Asp Ser Thr
 110 115 120
 Ser Arg Glu Leu Pro Ser Ala Thr Pro Asn Thr Ala Gly Ser Ser
 125 130 135
 Ser Thr Arg Phe Ile Ala Asn Ser Gln Glu Pro Glu Ile Arg Leu
 140 145 150
 Thr Ser Ser Leu Pro Arg Ser Pro Gly Arg Ser Thr Glu Asp Leu
 155 160 165
 Pro Gly Ser Gln Ala Thr Leu Ser Gln Trp Ser Thr Pro Gly Ser
 170 175 180
 Thr Pro Ser Arg Trp Pro Ser Pro Ser Pro Thr Ala Met Pro Ser

Pro	Glu	Asp	Leu	185	Arg	Leu	Val	Leu	Met	190	Pro	Trp	Gly	Pro	Trp	195	His
Cys	His	Cys	Lys	200	Ser	Gly	Thr	Met	Ser	205	Arg	Ser	Arg	Ser	Gly	Lys	210
Leu	His	Gly	Leu	215	Ser	Gly	Arg	Leu	Arg	220	Val	Gly	Ala	Leu	Ser	Gln	225
Leu	Arg	Thr	Glu	230	His	Lys	Pro	Cys	Thr	235	Tyr	Gln	Gln	Cys	Pro	Cys	240
Asn	Arg	Leu	Arg	245	Glu	Glu	Cys	Pro	Leu	250	Asp	Thr	Ser	Leu	Cys	Thr	255
Asp	Thr	Asn	Cys	260	Ala	Ser	Gln	Ser	Thr	265	Thr	Ser	Thr	Arg	Thr	Thr	270
Thr	Thr	Pro	Phe	275	Pro	Thr	Ile	His	Leu	280	Arg	Ser	Ser	Pro	Ser	Leu	285
Pro	Pro	Ala	Ser	290	Pro	Cys	Pro	Ala	Leu	295	Ala	Phe	Trp	Lys	Arg	Val	300
Arg	Ile	Gly	Leu	305	Glu	Asp	Ile	Trp	Asn	310	Ser	Leu	Ser	Ser	Val	Phe	315
Thr	Glu	Met	Gln	320	Pro	Ile	Asp	Arg	Asn	325	Gln	Arg					330
				335						340							

<210> 45
 <211> 148
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2457682

Met	Ala	Gly	Leu	Ala	Ala	Arg	Leu	Val	Leu	Leu	Ala	Gly	Ala	Ala			
1				5					10					15			
Ala	Leu	Ala	Ser	Gly	Ser	Gln	Gly	Asp	Arg	Glu	Pro	Val	Tyr	Arg			
				20					25					30			
Asp	Cys	Val	Leu	Gln	Cys	Glu	Glu	Gln	Asn	Cys	Ser	Gly	Gly	Ala			
				35					40					45			
Leu	Asn	His	Phe	Arg	Ser	Arg	Gln	Pro	Ile	Tyr	Met	Ser	Leu	Ala			
				50					55					60			
Gly	Trp	Thr	Cys	Arg	Asp	Asp	Cys	Lys	Tyr	Glu	Cys	Met	Trp	Val			
				65					70					75			
Thr	Val	Gly	Leu	Tyr	Leu	Gln	Glu	Gly	His	Lys	Val	Pro	Gln	Phe			
				80					85					90			
His	Gly	Lys	Trp	Pro	Phe	Ser	Arg	Phe	Leu	Phe	Phe	Gln	Glu	Pro			
				95					100					105			
Ala	Ser	Ala	Val	Ala	Ser	Phe	Leu	Asn	Gly	Leu	Ala	Ser	Leu	Val			
				110					115					120			
Met	Leu	Cys	Arg	Tyr	Arg	Thr	Phe	Val	Pro	Ala	Ser	Ser	Pro	Met			
				125					130					135			
Tyr	His	Thr	Cys	Val	Ala	Phe	Ala	Trp	Leu	Ser	Gly	Arg					
				140					145								

<210> 46
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2480426

<400> 46

Met	Arg	Pro	Leu	Leu	Val	Leu	Leu	Leu	Leu	Gly	Leu	Ala	Ala	Gly
1				5					10					15
Ser	Pro	Pro	Leu	Asp	Asp	Asn	Lys	Ile	Pro	Ser	Leu	Cys	Pro	Gly
			20						25					30
Leu	Pro	Gly	Pro	Arg	Gly	Asp	Pro	Gly	Pro	Arg	Gly	Glu	Ala	Gly
			35						40					45
Pro	Ala	Gly	Pro	Thr	Gly	Leu	Ala	Gly	Glu	Cys	Ser	Val	Pro	Pro
			50						55					60
Arg	Ser	Ala	Phe	Ser	Ala	Lys	Arg	Ser	Glu	Ile	Arg	Val	Pro	Pro
			65						70					75
Leu	Ser	Asp	Ala	Pro	Leu	Pro	Ser	Thr	Ala	Cys	Trp			
			80						85					

<210> 47

<211> 383

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2503743

<400> 47

Met	Ala	Gly	Ile	Pro	Gly	Leu	Leu	Phe	Leu	Leu	Phe	Phe	Leu	Leu
1				5					10					15
Cys	Ala	Val	Gly	Gln	Val	Ser	Pro	Tyr	Ser	Ala	Pro	Trp	Lys	Pro
			20						25					30
Thr	Trp	Pro	Ala	Tyr	Arg	Leu	Pro	Val	Val	Leu	Pro	Gln	Ser	Thr
			35						40					45
Leu	Asn	Leu	Ala	Lys	Pro	Asp	Phe	Gly	Ala	Glu	Ala	Lys	Leu	Glu
			50						55					60
Val	Ser	Ser	Ser	Cys	Gly	Pro	Gln	Cys	His	Lys	Gly	Thr	Pro	Leu
			65						70					75
Pro	Thr	Tyr	Glu	Glu	Ala	Lys	Gln	Tyr	Leu	Ser	Tyr	Glu	Thr	Leu
			80						85					90
Tyr	Ala	Asn	Gly	Ser	Arg	Thr	Glu	Thr	Gln	Val	Gly	Ile	Tyr	Ile
			95						100					105
Leu	Ser	Ser	Ser	Gly	Asp	Gly	Ala	Gln	His	Arg	Asp	Ser	Gly	Ser
			110						115					120
Ser	Gly	Lys	Ser	Arg	Arg	Lys	Arg	Gln	Ile	Tyr	Gly	Tyr	Asp	Ser
			125						130					135
Arg	Phe	Ser	Ile	Phe	Gly	Lys	Asp	Phe	Leu	Leu	Asn	Tyr	Pro	Phe
			140						145					150
Ser	Thr	Ser	Val	Lys	Leu	Ser	Thr	Gly	Cys	Thr	Gly	Thr	Leu	Val
			155						160					165
Ala	Glu	Lys	His	Val	Leu	Thr	Ala	Ala	His	Cys	Ile	His	Asp	Gly
			170						175					180
Lys	Thr	Tyr	Val	Lys	Gly	Thr	Gln	Lys	Leu	Arg	Val	Gly	Phe	Leu
			185						190					195
Lys	Pro	Lys	Phe	Lys	Asp	Gly	Gly	Arg	Gly	Ala	Asn	Asp	Ser	Thr
			200						205					210
Ser	Ala	Met	Pro	Glu	Gln	Met	Lys	Phe	Gln	Trp	Ile	Arg	Val	Lys
			215						220					225
Arg	Thr	His	Val	Pro	Lys	Gly	Trp	Ile	Lys	Gly	Asn	Ala	Asn	Asp
			230						235					240
Ile	Gly	Met	Asp	Tyr	Asp	Tyr	Ala	Leu	Leu	Glu	Leu	Lys	Lys	Pro
			245						250					255
His	Lys	Arg	Lys	Phe	Met	Lys	Ile	Gly	Val	Ser	Pro	Pro	Ala	Lys

Gln Leu Pro Gly	260	Gln Leu Pro Gly	265	Gln Leu Pro Gly	270
Arg Pro Gly Asn	275	Arg Pro Gly Asn	280	Arg Pro Gly Asn	285
Thr Tyr Asp Leu	290	Thr Tyr Asp Leu	295	Thr Tyr Asp Leu	300
Ser Gly Ser Gly	305	Ser Gly Ser Gly	310	Ser Gly Ser Gly	315
Lys Trp Glu Arg	320	Lys Trp Glu Arg	325	Lys Trp Glu Arg	330
Val Asp Met Asn	335	Val Asp Met Asn	340	Val Asp Met Asn	345
Ile Thr Pro Leu	350	Ile Thr Pro Leu	355	Ile Thr Pro Leu	360
Asn Tyr Leu Asp	365	Asn Tyr Leu Asp	370	Asn Tyr Leu Asp	375
	380				

<210> 48
 <211> 109
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2537684

Met Leu Leu Pro Ala	Leu Cys Ala Trp	Leu Leu Trp Val	Pro Trp
1	5	10	15
Cys Leu Leu Val Ala	Gly Ser Gly Arg	Ser Gly Gly Glu	Leu Cys
20	25	30	35
Cys Ser Ser Tyr Gly	Val Ser Val Ile	Ser Val Trp Ser	Lys Cys
35	40	45	50
Ser Val Cys Arg Cys	Leu Met Gly Ser	Val Pro Arg Ile	Phe Phe
50	55	60	65
Ala Phe Tyr Pro Ile	Ala Trp Leu Pro	Leu Pro Gly Ser	Gln Gly
65	70	75	80
Cys Trp Ser Arg Ser	Trp Glu Trp Pro	Leu Val Glu Pro	Ala Ser
80	85	90	95
Cys Leu Val Cys Leu	Cys Phe Thr Phe	Gly Val Leu Ser	Gly Val
95	100	105	
Val Ala Val Lys			

<210> 49
 <211> 185
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2593853

Met Lys Phe Thr Ile	Val Phe Ala Gly	Leu Leu Gly Val	Phe Leu
1	5	10	15
Ala Pro Ala Leu Ala	Asn Tyr Asn Ile	Asn Val Asn Asp	Asp Asn
20	25	30	35
Asn Asn Ala Gly Ser	Gly Gln Gln Ser	Val Ser Val Asn	Asn Glu

	35		40		45
His Asn Val Ala Asn Val Asp Asn Asn Asn Gly Trp Asp Ser Trp					
	50		55		60
Asn Ser Ile Trp Asp Tyr Gly Asn Gly Phe Ala Ala Thr Arg Leu					
	65		70		75
Phe Gln Lys Lys Thr Cys Ile Val His Lys Met Asn Lys Glu Val					
	80		85		90
Met Pro Ser Ile Gln Ser Leu Asp Ala Leu Val Lys Glu Lys Lys					
	95		100		105
Leu Gln Gly Lys Gly Pro Gly Gly Pro Pro Pro Lys Gly Leu Met					
	110		115		120
Tyr Ser Val Asn Pro Asn Lys Val Asp Asp Leu Ser Lys Phe Gly					
	125		130		135
Lys Asn Ile Ala Asn Met Cys Arg Gly Ile Pro Thr Tyr Met Ala					
	140		145		150
Glu Glu Met Gln Glu Ala Ser Leu Phe Phe Tyr Ser Gly Thr Cys					
	155		160		165
Tyr Thr Thr Ser Val Leu Trp Ile Val Asp Ile Ser Phe Cys Gly					
	170		175		180
Asp Thr Val Glu Asn					
	185				

<210> 50
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2622354

<400> 50	
Met Ala Pro Arg Gly Cys Ile Val Ala Val Phe Ala Ile Phe Cys	
1 5 10 15	
Ile Ser Arg Leu Leu Cys Ser His Gly Ala Pro Val Ala Pro Met	
20 25 30	
Thr Pro Tyr Leu Met Leu Cys Gln Pro His Lys Arg Cys Gly Asp	
35 40 45	
Lys Phe Tyr Asp Pro Leu Gln His Cys Cys Tyr Asp Asp Ala Val	
50 55 60	
Val Pro Leu Ala Arg Thr Gln Thr Cys Gly Asn Cys Thr Phe Arg	
65 70 75	
Val Cys Phe Glu Gln Cys Cys Pro Trp Thr Phe Met Val Lys Leu	
80 85 90	
Ile Asn Gln Asn Cys Asp Ser Ala Arg Thr Ser Asp Asp Arg Leu	
95 100 105	
Cys Arg Ser Val Ser	
110	

<210> 51
 <211> 126
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2641377

<400> 51	
Met Trp Leu Gly Ser Trp Leu Thr Ser Leu Leu Leu Ser Pro Tyr	

1	5	10	15
Gly Ser Gly Trp Glu Lys Val Pro Cys Cys Val Thr Gly His Leu			
20	25	30	
Arg Ser Cys Ser Cys Cys Leu Leu Gly Leu Ala Gly Val Gln Ser			
35	40	45	
Asp His Phe Ser Glu Gly Phe Phe Ser Glu Tyr Ser Ser Asp Val			
50	55	60	
Leu Pro Trp Gly Arg Arg Ser Phe Leu Pro Gln Gly Asp Ala Ser			
65	70	75	
Leu Leu Ala Cys Glu Cys Phe Leu His Leu Gln Val Val Trp Gly			
80	85	90	
Gln Phe Cys Leu Leu Glu Ala Trp Ala Gly Phe Thr Glu Gly Ser			
95	100	105	
Met Pro Ala Pro Ser Cys Arg Val His Phe Trp Cys Arg Val Asn			
110	115	120	
Thr Cys Ala Phe Met Ser			
125			

<210> 52
 <211> 488
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2674857

<400> 52
Met Ala Gly Lys Gly Ser Ser Gly Arg Arg Pro Leu Leu Leu Gly
1 5 10 15
Leu Leu Val Ala Val Ala Thr Val His Leu Val Ile Cys Pro Tyr
20 25 30
Thr Lys Val Glu Glu Ser Phe Asn Leu Gln Ala Thr His Asp Leu
35 40 45
Leu Tyr His Trp Gln Asp Leu Glu Gln Tyr Asp His Leu Glu Phe
50 55 60
Pro Gly Val Val Pro Arg Thr Phe Leu Gly Pro Val Val Ile Ala
65 70 75
Val Phe Ser Ser Pro Ala Val Tyr Val Leu Ser Leu Leu Glu Met
80 85 90
Ser Lys Phe Tyr Ser Gln Leu Ile Val Arg Gly Val Leu Gly Leu
95 100 105
Gly Val Ile Phe Gly Leu Trp Thr Leu Gln Lys Glu Val Arg Arg
110 115 120
His Phe Gly Ala Met Val Ala Thr Met Phe Cys Trp Val Thr Ala
125 130 135
Met Gln Phe His Leu Met Phe Tyr Cys Thr Arg Thr Leu Pro Asn
140 145 150
Val Leu Ala Leu Pro Val Val Leu Leu Ala Leu Ala Ala Trp Leu
155 160 165
Arg His Glu Trp Ala Arg Phe Ile Trp Leu Ser Ala Phe Ala Ile
170 175 180
Ile Val Phe Arg Val Glu Leu Cys Leu Phe Leu Gly Leu Leu Leu
185 190 195
Leu Leu Ala Leu Gly Asn Arg Lys Val Ser Val Val Arg Ala Leu
200 205 210
Arg His Ala Val Pro Ala Gly Ile Leu Cys Leu Gly Leu Thr Val
215 220 225
Ala Val Asp Ser Tyr Phe Trp Arg Gln Leu Thr Trp Pro Glu Gly
230 235 240
Lys Val Leu Trp Tyr Asn Thr Val Leu Asn Lys Ser Ser Asn Trp
245 250 255

Gly	Thr	Ser	Pro	Leu	Leu	Trp	Tyr	Phe	Tyr	Ser	Ala	Leu	Pro	Arg
				260					265					270
Gly	Leu	Gly	Cys	Ser	Leu	Leu	Phe	Ile	Pro	Leu	Gly	Leu	Val	Asp
				275					280					285
Arg	Arg	Thr	His	Ala	Pro	Thr	Val	Leu	Ala	Leu	Gly	Phe	Met	Ala
				290					295					300
Leu	Tyr	Ser	Leu	Leu	Pro	His	Lys	Glu	Leu	Arg	Phe	Ile	Ile	Tyr
				305					310					315
Ala	Phe	Pro	Met	Leu	Asn	Ile	Thr	Ala	Ala	Arg	Gly	Cys	Ser	Tyr
				320					325					330
Leu	Leu	Asn	Asn	Tyr	Lys	Lys	Ser	Trp	Leu	Tyr	Lys	Ala	Gly	Ser
				335					340					345
Leu	Leu	Val	Ile	Gly	His	Leu	Val	Val	Asn	Ala	Ala	Tyr	Ser	Ala
				350					355					360
Thr	Ala	Leu	Tyr	Val	Ser	His	Phe	Asn	Tyr	Pro	Gly	Gly	Val	Ala
				365					370					375
Met	Gln	Arg	Leu	His	Gln	Leu	Val	Pro	Pro	Gln	Thr	Asp	Val	Leu
				380					385					390
Leu	His	Ile	Asp	Val	Ala	Ala	Ala	Gln	Thr	Gly	Val	Ser	Arg	Phe
				395					400					405
Leu	Gln	Val	Asn	Ser	Ala	Trp	Arg	Tyr	Asp	Lys	Arg	Glu	Asp	Val
				410					415					420
Gln	Pro	Gly	Thr	Gly	Met	Leu	Ala	Tyr	Thr	His	Ile	Leu	Met	Glu
				425					430					435
Ala	Ala	Pro	Gly	Leu	Leu	Ala	Leu	Tyr	Arg	Asp	Thr	His	Arg	Val
				440					445					450
Leu	Ala	Ser	Val	Val	Gly	Thr	Thr	Gly	Val	Ser	Leu	Asn	Leu	Thr
				455					460					465
Gln	Leu	Pro	Pro	Phe	Asn	Val	His	Leu	Gln	Thr	Lys	Leu	Val	Leu
				470					475					480
Leu	Glu	Arg	Leu	Pro	Arg	Pro	Ser							
				485										

<210> 53
 <211> 197
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2758485

<400>	53													
Met	Ser	Pro	Arg	Arg	Thr	Leu	Pro	Arg	Pro	Leu	Ser	Leu	Cys	Leu
1				5					10					15
Ser	Leu	Cys	Leu	Cys	Leu	Cys	Leu	Ala	Ala	Ala	Leu	Gly	Ser	Ala
				20					25					30
Gln	Ser	Gly	Ser	Cys	Arg	Asp	Lys	Lys	Asn	Cys	Lys	Val	Val	Phe
				35					40					45
Ser	Gln	Gln	Glu	Leu	Arg	Lys	Arg	Leu	Thr	Pro	Leu	Gln	Tyr	His
				50					55					60
Val	Thr	Gln	Glu	Lys	Gly	Thr	Glu	Ser	Ala	Phe	Glu	Gly	Glu	Tyr
				65					70					75
Thr	His	His	Lys	Asp	Pro	Gly	Ile	Tyr	Lys	Cys	Val	Val	Cys	Gly
				80					85					90
Thr	Pro	Leu	Phe	Lys	Ser	Glu	Thr	Lys	Phe	Asp	Ser	Gly	Ser	Gly
				95					100					105
Trp	Pro	Ser	Phe	His	Asp	Val	Ile	Asn	Ser	Glu	Ala	Ile	Thr	Phe
				110					115					120
Thr	Asp	Asp	Phe	Ser	Tyr	Gly	Met	His	Arg	Val	Glu	Thr	Ser	Cys
				125					130					135
Ser	Gln	Cys	Gly	Ala	His	Leu	Gly	His	Ile	Phe	Asp	Asp	Gly	Pro

				140					145					150
Arg	Pro	Thr	Gly	Lys	Arg	Tyr	Cys	Ile	Asn	Ser	Ala	Ala	Leu	Ser
				155					160					165
Phe	Thr	Pro	Ala	Asp	Ser	Ser	Gly	Thr	Ala	Glu	Gly	Gly	Ser	Gly
				170					175					180
Val	Ala	Ser	Pro	Ala	Gln	Ala	Asp	Lys	Ala	Asp	Ser	Glu	Ser	Asn
				185					190					195
Gly	Glu													

<210> 54
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2763296

Met	Thr	Pro	Gln	Ser	Leu	Leu	Gln	Thr	Thr	Leu	Phe	Leu	Leu	Ser
1				5					10					15
Leu	Leu	Phe	Leu	Val	Gln	Gly	Ala	His	Gly	Arg	Gly	His	Arg	Glu
				20					25					30
Asp	Phe	Arg	Phe	Cys	Ser	Gln	Arg	Asn	Gln	Thr	His	Arg	Ser	Ser
				35					40					45
Leu	His	Tyr	Tyr	Trp	Ser	Met	Arg	Leu	Gln	Ala	Arg	Gly	Gly	Pro
				50					55					60
Ser	Pro	Leu	Lys	Ser	Asn	Ser	Asp	Ser	Ala	Arg	Leu	Pro	Ile	Ser
				65					70					75
Ser	Gly	Ser	Thr	Ser	Ser	Ser	Arg	Ile						
				80										

<210> 55
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2779436

Met	Gln	Leu	Gly	Thr	Gly	Leu	Leu	Leu	Ala	Ala	Val	Leu	Ser	Leu
1				5					10					15
Gln	Leu	Ala	Ala	Ala	Glu	Ala	Ile	Trp	Cys	His	Gln	Cys	Thr	Gly
				20					25					30
Phe	Gly	Gly	Cys	Ser	His	Gly	Ser	Arg	Cys	Leu	Arg	Asp	Ser	Thr
				35					40					45
His	Cys	Val	Thr	Thr	Ala	Thr	Arg	Val	Leu	Ser	Asn	Thr	Glu	Asp
				50					55					60
Leu	Pro	Leu	Val	Thr	Lys	Met	Cys	His	Ile	Gly	Cys	Pro	Asp	Ile
				65					70					75
Pro	Ser	Leu	Gly	Leu	Gly	Pro	Tyr	Val	Ser	Ile	Ala	Cys	Cys	Gln
				80					85					90
Thr	Ser	Leu	Cys	Asn	His	Asp								
				95										

<210> 56
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2808528

<400> 56
 Met Ala Ala Ser Leu Gly Gln Val Leu Ala Leu Val Leu Val Ala
 1 5 10 15
 Ala Leu Trp Gly Gly Thr Gln Pro Leu Leu Lys Arg Ala Ser Ala
 20 25 30
 Gly Leu Gln Arg Val His Glu Pro Thr Trp Ala Gln Gln Leu Leu
 35 40 45
 Gln Glu Met Lys Thr Leu Phe Leu Asn Thr Glu Tyr Leu Met Pro
 50 55 60
 Phe Leu Leu Asn Gln Cys Gly Ser Leu Leu Tyr Tyr Leu Thr Leu
 65 70 75
 Ala Ser Thr Asp Leu Thr Leu Ala Val Pro Ile Cys Asn Ser Leu
 80 85 90
 Ala Ile Ile Phe Thr Leu Ile Val Gly Lys Ala Leu Gly Glu Asp
 95 100 105
 Ile Gly Gly Lys Arg Ala Val Ala Gly Met Val Leu Thr Val Ile
 110 115 120
 Gly Ile Ser Leu Cys Ile Thr Ser Ser Val Ser Lys Thr Gln Gly
 125 130 135
 Gln Gln Ser Thr Leu
 140

<210> 57
 <211> 285
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2809230

<400> 57
 Met Glu Val Pro Pro Pro Ala Pro Arg Ser Phe Leu Cys Arg Ala
 1 5 10 15
 Leu Cys Leu Phe Pro Arg Val Phe Ala Ala Glu Ala Val Thr Ala
 20 25 30
 Asp Ser Glu Val Leu Glu Glu Arg Gln Lys Arg Leu Pro Tyr Val
 35 40 45
 Pro Glu Pro Tyr Tyr Pro Glu Ser Gly Trp Asp Arg Leu Arg Glu
 50 55 60
 Leu Phe Gly Lys Asp Glu Gln Gln Arg Ile Ser Lys Asp Leu Ala
 65 70 75
 Asn Ile Cys Lys Thr Ala Ala Thr Ala Gly Ile Ile Gly Trp Val
 80 85 90
 Tyr Gly Gly Ile Pro Ala Phe Ile His Ala Lys Gln Gln Tyr Ile
 95 100 105
 Glu Gln Ser Gln Ala Glu Ile Tyr His Asn Arg Phe Asp Ala Val
 110 115 120
 Gln Ser Ala His Arg Ala Ala Thr Arg Gly Phe Ile Arg Tyr Gly
 125 130 135
 Trp Arg Trp Gly Trp Arg Thr Ala Val Phe Val Thr Ile Phe Asn
 140 145 150

Thr	Val	Asn	Thr	Ser	Leu	Asn	Val	Tyr	Arg	Asn	Lys	Asp	Ala	Leu	
				155					160					165	
Ser	His	Phe	Val	Ile	Ala	Gly	Ala	Val	Thr	Gly	Ser	Leu	Phe	Arg	
				170					175					180	
Ile	Asn	Val	Gly	Leu	Arg	Gly	Leu	Val	Ala	Gly	Gly	Ile	Ile	Gly	
				185					190					195	
Ala	Leu	Leu	Gly	Thr	Pro	Val	Gly	Gly	Leu	Leu	Met	Ala	Phe	Gln	
				200					205					210	
Lys	Tyr	Ser	Gly	Glu	Thr	Val	Gln	Glu	Arg	Lys	Gln	Lys	Asp	Arg	
				215					220					225	
Lys	Ala	Leu	His	Glu	Leu	Lys	Leu	Glu	Glu	Trp	Lys	Gly	Arg	Leu	
				230					235					240	
Gln	Val	Thr	Glu	His	Leu	Pro	Glu	Lys	Ile	Glu	Ser	Ser	Leu	Gln	
				245					250					255	
Glu	Asp	Glu	Pro	Glu	Asn	Asp	Ala	Lys	Lys	Ile	Glu	Ala	Leu	Leu	
				260					265					270	
Asn	Leu	Pro	Arg	Asn	Pro	Ser	Val	Ile	Asp	Lys	Gln	Asp	Lys	Asp	
				275					280					285	

<210> 58
 <211> 262
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2816821

<400> 58

Met	Thr	Gln	Pro	Val	Pro	Arg	Leu	Ser	Val	Pro	Ala	Ala	Leu	Ala	
1				5					10					15	
Leu	Gly	Ser	Ala	Ala	Leu	Gly	Ala	Ala	Phe	Ala	Thr	Gly	Leu	Phe	
				20					25					30	
Leu	Gly	Arg	Arg	Cys	Pro	Pro	Trp	Arg	Gly	Arg	Arg	Glu	Gln	Cys	
				35					40					45	
Leu	Leu	Pro	Pro	Glu	Asp	Ser	Arg	Leu	Trp	Gln	Tyr	Leu	Leu	Ser	
				50					55					60	
Arg	Ser	Met	Arg	Glu	His	Pro	Ala	Leu	Arg	Ser	Leu	Arg	Leu	Leu	
				65					70					75	
Thr	Leu	Glu	Gln	Pro	Gln	Gly	Asp	Ser	Met	Met	Thr	Cys	Glu	Gln	
				80					85					90	
Ala	Gln	Leu	Leu	Ala	Asn	Leu	Ala	Arg	Leu	Ile	Gln	Ala	Lys	Lys	
				95					100					105	
Ala	Leu	Asp	Leu	Gly	Thr	Phe	Thr	Gly	Tyr	Ser	Ala	Leu	Ala	Leu	
				110					115					120	
Ala	Leu	Ala	Leu	Pro	Ala	Asp	Gly	Arg	Val	Val	Thr	Cys	Glu	Val	
				125					130					135	
Asp	Ala	Gln	Pro	Pro	Glu	Leu	Gly	Arg	Pro	Leu	Trp	Arg	Gln	Ala	
				140					145					150	
Glu	Ala	Glu	His	Lys	Ile	Asp	Leu	Arg	Leu	Lys	Pro	Ala	Leu	Glu	
				155					160					165	
Thr	Leu	Asp	Glu	Leu	Leu	Ala	Ala	Gly	Glu	Ala	Gly	Thr	Phe	Asp	
				170					175					180	
Val	Ala	Val	Val	Asp	Ala	Asp	Lys	Glu	Asn	Cys	Ser	Ala	Tyr	Tyr	
				185					190					195	
Glu	Arg	Cys	Leu	Gln	Leu	Leu	Arg	Pro	Gly	Gly	Ile	Leu	Ala	Val	
				200					205					210	
Leu	Arg	Val	Leu	Trp	Arg	Gly	Lys	Val	Leu	Gln	Pro	Pro	Lys	Gly	
				215					220					225	
Asp	Val	Ala	Ala	Glu	Cys	Val	Arg	Asn	Leu	Asn	Glu	Arg	Ile	Arg	
				230					235					240	
Arg	Asp	Val	Arg	Val	Tyr	Ile	Ser	Leu	Leu	Pro	Leu	Gly	Asp	Gly	

	245	250	255
Leu Thr Leu Ala	Phe Lys Ile		
	260		

<210> 59
 <211> 189
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2817268

<400> 59
 Met Ala Leu Leu Ser Arg Pro Ala Leu Thr Leu Leu Leu Leu Leu
 1 5 10 15
 Met Ala Ala Val Val Arg Cys Gln Glu Gln Ala Gln Thr Thr Asp
 20 25 30
 Trp Arg Ala Thr Leu Lys Thr Ile Arg Asn Gly Val His Lys Ile
 35 40 45
 Asp Thr Tyr Leu Asn Ala Ala Leu Asp Leu Leu Gly Gly Glu Asp
 50 55 60
 Gly Leu Cys Gln Tyr Lys Cys Ser Asp Gly Ser Lys Pro Phe Pro
 65 70 75
 Arg Tyr Gly Tyr Lys Pro Ser Pro Pro Asn Gly Cys Gly Ser Pro
 80 85 90
 Leu Phe Gly Val His Leu Asn Ile Gly Ile Pro Ser Leu Thr Lys
 95 100 105
 Cys Cys Asn Gln His Asp Arg Cys Tyr Glu Thr Cys Gly Lys Ser
 110 115 120
 Lys Asn Asp Cys Asp Glu Glu Phe Gln Tyr Cys Leu Ser Lys Ile
 125 130 135
 Cys Arg Asp Val Gln Lys Thr Leu Gly Leu Thr Gln His Val Gln
 140 145 150
 Ala Cys Glu Thr Thr Val Glu Leu Leu Phe Asp Ser Val Ile His
 155 160 165
 Leu Gly Cys Lys Pro Tyr Leu Asp Ser Gln Arg Ala Ala Cys Arg
 170 175 180
 Cys His Tyr Glu Glu Lys Thr Asp Leu
 185

<210> 60
 <211> 257
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2923165

<400> 60
 Met Thr Ala Ala Val Phe Phe Gly Cys Ala Phe Ile Ala Phe Gly
 1 5 10 15
 Pro Ala Leu Ala Leu Tyr Val Phe Thr Ile Ala Thr Glu Pro Leu
 20 25 30
 Arg Ile Ile Phe Leu Ile Ala Gly Ala Phe Phe Trp Leu Val Ser
 35 40 45
 Leu Leu Ile Ser Ser Leu Val Trp Phe Met Ala Arg Val Ile Ile
 50 55 60
 Asp Asn Lys Asp Gly Pro Thr Gln Lys Tyr Leu Leu Ile Phe Gly

Ala Phe Val Ser	Val Tyr Ile Gln Glu	Met Phe Arg Phe Ala Tyr	65	70	75
Tyr Lys Leu Leu	Lys Lys Ala Ser Glu	Leu Lys Ser Ile Asn	80	85	90
Pro Gly Glu Thr	Ala Pro Ser Met Arg	Leu Leu Ala Tyr Val Ser	95	100	105
Gly Leu Gly Phe	Gly Ile Met Ser Gly	Val Phe Ser Phe Val Asn	110	115	120
Thr Leu Ser Asp	Ser Leu Gly Pro Gly	Thr Val Gly Ile His Gly	125	130	135
Asp Ser Pro Gln	Phe Phe Leu Tyr Ser	Ala Phe Met Thr Leu Val	140	145	150
Ile Ile Leu Leu	His Val Phe Trp Gly	Ile Val Phe Phe Asp Gly	155	160	165
Cys Glu Lys Lys	Lys Trp Gly Ile Leu	Leu Ile Val Leu Leu Thr	170	175	180
His Leu Leu Val	Ser Ala Gln Thr Phe	Ile Ser Ser Tyr Tyr Gly	185	190	195
Ile Asn Leu Ala	Ser Ala Phe Ile Ile	Leu Val Leu Met Gly Thr	200	205	210
Trp Ala Phe Leu	Ala Ala Gly Gly Ser	Cys Arg Ser Leu Lys Leu	215	220	225
Cys Leu Leu Cys	Gln Asp Lys Asn Phe	Leu Leu Tyr Asn Gln Arg	230	235	240
Ser Arg			245	250	255

<210> 61
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2949822

Met Pro Phe Ser	Trp Met Val Ile Ile	Leu Gly Phe Leu Cys Gly	<400> 61
1	5	10	15
Leu Ser Gly Gln	Leu Gln Ile Met Asn	Thr Leu Ser Ser Leu Pro	20
	20	25	30
Ile Val Leu Leu	Val Ser Ser Ser Cys	Leu Ile Leu Ala Arg Met	35
	35	40	45
Ser Tyr Ser Ile	Leu Thr Ser Ser Tyr	Gly Gly Gly Val Phe Ile	50
	50	55	60
Leu Leu Asp Leu	Lys Arg Asn Thr Ser	Lys Val Ser Pro Leu Met	65
	65	70	75
Met Met Phe Ala	Ile Gly His		80

<210> 62
 <211> 202
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2992192

<400> 62

Met	Ala	Ala	Pro	Trp	Arg	Arg	Trp	Pro	Thr	Gly	Leu	Leu	Ala	Val
1				5					10					15
Leu	Arg	Pro	Leu	Leu	Thr	Cys	Arg	Pro	Leu	Gln	Gly	Thr	Thr	Leu
				20					25					30
Gln	Arg	Asp	Val	Leu	Leu	Phe	Glu	His	Asp	Arg	Gly	Arg	Phe	Phe
				35					40					45
Thr	Ile	Leu	Gly	Leu	Phe	Cys	Ala	Gly	Gln	Gly	Val	Phe	Trp	Ala
				50					55					60
Ser	Met	Ala	Val	Ala	Ala	Val	Ser	Arg	Pro	Pro	Val	Pro	Val	Gln
				65					70					75
Pro	Leu	Asp	Ala	Glu	Val	Pro	Asn	Arg	Gly	Pro	Phe	Asp	Leu	Arg
				80					85					90
Ser	Ala	Leu	Trp	Arg	Tyr	Gly	Leu	Ala	Val	Gly	Cys	Gly	Ala	Ile
				95					100					105
Gly	Ala	Leu	Val	Leu	Gly	Ala	Gly	Leu	Leu	Phe	Ser	Leu	Arg	Ser
				110					115					120
Val	Arg	Ser	Val	Val	Leu	Arg	Ala	Gly	Gly	Gln	Gln	Val	Thr	Leu
				125					130					135
Thr	Thr	His	Ala	Pro	Phe	Gly	Leu	Gly	Ala	His	Phe	Thr	Val	Pro
				140					145					150
Leu	Lys	Gln	Val	Ser	Cys	Met	Ala	His	Arg	Gly	Glu	Val	Pro	Ala
				155					160					165
Met	Leu	Pro	Leu	Lys	Val	Lys	Gly	Arg	Arg	Phe	Tyr	Phe	Leu	Leu
				170					175					180
Asp	Lys	Thr	Gly	His	Phe	Pro	Asn	Thr	Lys	Leu	Phe	Asp	Asn	Thr
				185					190					195
Val	Gly	Ala	Tyr	Arg	Ser	Leu								
				200										

<210> 63
 <211> 450
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2992458

Met	Leu	Val	Thr	Ala	Tyr	Leu	Ala	Phe	Val	Gly	Leu	Leu	Ala	Ser
1				5					10					15
Cys	Leu	Gly	Leu	Glu	Leu	Ser	Arg	Cys	Arg	Ala	Lys	Pro	Pro	Gly
				20					25					30
Arg	Ala	Cys	Ser	Asn	Pro	Ser	Phe	Leu	Arg	Phe	Gln	Leu	Asp	Phe
				35					40					45
Tyr	Gln	Val	Tyr	Phe	Leu	Ala	Leu	Ala	Ala	Asp	Trp	Leu	Gln	Ala
				50					55					60
Pro	Tyr	Leu	Tyr	Lys	Leu	Tyr	Gln	His	Tyr	Tyr	Phe	Leu	Glu	Gly
				65					70					75
Gln	Ile	Ala	Ile	Leu	Tyr	Val	Cys	Gly	Leu	Ala	Ser	Thr	Val	Leu
				80					85					90
Phe	Gly	Leu	Val	Ala	Ser	Ser	Leu	Val	Asp	Trp	Leu	Gly	Arg	Lys
				95					100					105
Asn	Ser	Cys	Val	Leu	Phe	Ser	Leu	Thr	Tyr	Ser	Leu	Cys	Cys	Leu
				110					115					120
Thr	Lys	Leu	Ser	Gln	Asp	Tyr	Phe	Val	Leu	Leu	Val	Gly	Arg	Ala
				125					130					135
Leu	Gly	Gly	Leu	Ser	Thr	Ala	Leu	Leu	Phe	Ser	Ala	Phe	Glu	Ala
				140					145					150
Trp	Tyr	Ile	His	Glu	His	Val	Glu	Arg	His	Asp	Phe	Pro	Ala	Glu
				155					160					165
Trp	Ile	Pro	Ala	Thr	Phe	Ala	Arg	Ala	Ala	Phe	Trp	Asn	His	Val

170	175	180
Leu Ala Val Val Ala Gly Val Ala Ala	Glu Ala Val Ala Ser Trp	
185	190	195
Ile Gly Leu Gly Pro Val Ala Pro Phe	Val Ala Ala Ile Pro Leu	
200	205	210
Leu Ala Leu Ala Gly Ala Leu Ala Leu	Arg Asn Trp Gly Glu Asn	
215	220	225
Tyr Asp Arg Gln Arg Ala Phe Ser Arg	Thr Cys Ala Gly Gly Leu	
230	235	240
Arg Cys Leu Leu Ser Asp Arg Arg Val	Leu Leu Gly Thr Ile	
245	250	255
Gln Ala Leu Phe Glu Ser Val Ile Phe	Ile Phe Val Phe Leu Trp	
260	265	270
Thr Pro Val Leu Asp Pro His Gly Ala	Pro Leu Gly Ile Ile Phe	
275	280	285
Ser Ser Phe Met Ala Ala Ser Leu Leu	Gly Ser Ser Leu Tyr Arg	
290	295	300
Ile Ala Thr Ser Lys Arg Tyr His Leu	Gln Pro Met His Leu Leu	
305	310	315
Ser Leu Ala Val Leu Ile Val Val Phe	Ser Leu Phe Met Leu Thr	
320	325	330
Phe Ser Thr Ser Pro Gly Gln Glu Ser	Pro Val Glu Ser Phe Ile	
335	340	345
Ala Phe Leu Leu Ile Glu Leu Ala Cys	Gly Leu Tyr Phe Pro Ser	
350	355	360
Met Ser Phe Leu Arg Arg Lys Val Ile	Pro Glu Thr Glu Gln Ala	
365	370	375
Gly Val Leu Asn Trp Phe Arg Val Pro	Leu His Ser Leu Ala Cys	
380	385	390
Leu Gly Leu Leu Val Leu His Asp Ser	Asp Arg Lys Thr Gly Thr	
395	400	405
Arg Asn Met Phe Ser Ile Cys Ser Ala	Val Met Val Met Ala Leu	
410	415	420
Leu Ala Val Val Gly Leu Phe Thr Val	Val Arg His Asp Ala Glu	
425	430	435
Leu Arg Val Pro Ser Pro Thr Glu Glu	Pro Tyr Ala Pro Glu Leu	
440	445	450

<210> 64
 <211> 322
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3044710

<400> 64
Met Ala Arg Cys Phe Ser Leu Val Leu Leu Leu Thr Ser Ile Trp
1 5 10 15
Thr Thr Arg Leu Leu Val Gln Gly Ser Leu Arg Ala Glu Glu Leu
20 25 30
Ser Ile Gln Val Ser Cys Arg Ile Met Gly Ile Thr Leu Val Ser
35 40 45
Lys Lys Ala Asn Gln Gln Leu Asn Phe Thr Glu Ala Lys Glu Ala
50 55 60
Cys Arg Leu Leu Gly Leu Ser Leu Ala Gly Lys Asp Gln Val Glu
65 70 75
Thr Ala Leu Lys Ala Ser Phe Glu Thr Cys Ser Tyr Gly Trp Val
80 85 90
Gly Asp Gly Phe Val Val Ile Ser Arg Ile Ser Pro Asn Pro Lys
95 100 105
Cys Gly Lys Asn Gly Val Gly Val Leu Ile Trp Lys Val Pro Val

	110		115		120
Ser Arg Gln Phe	Ala Ala Tyr Cys Tyr	Asn Ser Ser Asp Thr	Trp		
	125		130		135
Thr Asn Ser Cys	Ile Pro Glu Ile Ile	Thr Thr Lys Asp Pro	Ile		
	140		145		150
Phe Asn Thr Gln	Thr Ala Thr Gln Thr	Thr Glu Phe Ile Val	Ser		
	155		160		165
Asp Ser Thr Tyr	Ser Val Ala Ser Pro	Tyr Ser Thr Ile Pro	Ala		
	170		175		180
Pro Thr Thr Thr	Pro Pro Ala Pro Ala	Ser Thr Ser Ile Pro	Arg		
	185		190		195
Arg Lys Lys Leu	Ile Cys Val Thr Glu	Val Phe Met Glu Thr	Ser		
	200		205		210
Thr Met Ser Thr	Glu Thr Glu Pro Phe	Val Glu Asn Lys Ala	Ala		
	215		220		225
Phe Lys Asn Glu	Ala Ala Gly Phe Gly	Gly Val Pro Thr Ala	Leu		
	230		235		240
Leu Val Leu Ala	Leu Leu Phe Phe Gly	Ala Ala Ala Gly Leu	Gly		
	245		250		255
Phe Cys Tyr Val	Lys Arg Tyr Val Lys	Ala Phe Pro Phe Thr	Asn		
	260		265		270
Lys Asn Gln Gln	Lys Glu Met Ile Glu	Thr Lys Val Val Lys	Glu		
	275		280		285
Glu Lys Ala Asn	Asp Ser Asn Pro Asn	Glu Glu Ser Lys Lys	Thr		
	290		295		300
Asp Lys Asn Pro	Glu Glu Ser Lys Ser	Pro Ser Lys Thr Thr	Val		
	305		310		315
Arg Cys Leu Glu	Ala Glu Val				
	320				

<210> 65
 <211> 104
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3120415

<400> 65	
Met Lys Leu Ala Ala	Leu Leu Gly Leu Cys Val Ala Leu Ser Cys
1 5	10 15
Ser Ser Ala Ala Ala	Phe Leu Val Gly Ser Ala Lys Pro Val Ala
20 25	30 35
Gln Pro Val Ala Ala	Leu Glu Ser Ala Ala Glu Ala Gly Ala Gly
35 40	45 50
Thr Leu Ala Asn Pro	Leu Gly Thr Leu Asn Pro Leu Lys Leu Leu
50 55	60 65
Leu Ser Ser Leu Gly	Ile Pro Val Asn His Leu Ile Glu Gly Ser
65 70	75 80
Gln Lys Cys Val Ala	Glu Leu Gly Pro Gln Ala Val Gly Ala Val
80 85	90 95
Lys Ala Leu Lys Ala	Leu Leu Gly Ala Leu Thr Val Phe Gly
95 100	

<210> 66
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 126758

<400> 66
 Met Lys Leu Val Thr Ile Phe Leu Leu Val Thr Ile Ser Leu Cys
 1 5 10 15
 Ser Tyr Ser Ala Thr Ala Phe Leu Ile Asn Lys Val Pro Leu Pro
 20 25 30
 Val Asp Lys Leu Ala Pro Leu Pro Leu Asp Asn Ile Leu Pro Phe
 35 40 45
 Met Asp Pro Leu Lys Leu Leu Leu Lys Thr Leu Gly Ile Ser Val
 50 55 60
 Glu His Leu Val Glu Gly Leu Arg Lys Cys Val Asn Glu Leu Gly
 65 70 75
 Pro Glu Ala Ser Glu Ala Val Lys Lys Leu Leu Glu Ala Leu Ser
 80 85 90
 His Leu Val

<210> 67
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 674760

<400> 67
 Met Thr Ala Gly Gln Phe Pro Ala Leu Val Ser Leu Ala Leu Leu
 1 5 10 15
 Leu Asp Gly Gly Arg Arg Ala Ser Ala Arg Arg Asn Arg Gly His
 20 25 30
 Leu Trp Val Phe Cys Thr Ser Phe Leu Leu Ala Pro Trp Glu Val
 35 40 45
 Glu Asp Val Gly Trp Lys Lys Gly Leu Asp Leu Pro Pro Ser Ser
 50 55 60
 Ser Pro Pro Ser Pro Lys Glu Leu Ala Leu Gln
 65 70

<210> 68
 <211> 394
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1229438

<400> 68
 Met Lys Arg Gln Asn Val Arg Thr Leu Ala Leu Ile Val Cys Thr
 1 5 10 15
 Phe Thr Tyr Leu Leu Val Gly Ala Ala Val Phe Asp Ala Leu Glu
 20 25 30
 Ser Glu Pro Glu Leu Ile Glu Arg Gln Arg Leu Glu Leu Arg Gln
 35 40 45
 Gln Glu Leu Arg Ala Arg Tyr Asn Leu Ser Gln Gly Gly Tyr Glu
 50 55 60
 Glu Leu Glu Arg Val Val Leu Arg Leu Lys Pro His Lys Ala Gly

				65					70					75
Val	Gln	Trp	Arg	Phe	Ala	Gly	Ser	Phe	Tyr	Phe	Ala	Ile	Thr	Val
				80					85					90
Ile	Thr	Thr	Ile	Gly	Tyr	Gly	His	Ala	Ala	Pro	Ser	Thr	Asp	Gly
				95					100					105
Gly	Lys	Val	Phe	Cys	Met	Phe	Tyr	Ala	Leu	Leu	Gly	Ile	Pro	Leu
				110					115					120
Thr	Leu	Val	Met	Phe	Gln	Ser	Leu	Gly	Glu	Arg	Ile	Asn	Thr	Leu
				125					130					135
Val	Arg	Tyr	Leu	Leu	His	Arg	Ala	Lys	Lys	Gly	Leu	Gly	Met	Arg
				140					145					150
Arg	Ala	Asp	Val	Ser	Met	Ala	Asn	Met	Val	Leu	Ile	Gly	Phe	Phe
				155					160					165
Ser	Cys	Ile	Ser	Thr	Leu	Cys	Ile	Gly	Ala	Ala	Ala	Phe	Ser	His
				170					175					180
Tyr	Glu	His	Trp	Thr	Phe	Phe	Gln	Ala	Tyr	Tyr	Tyr	Cys	Phe	Ile
				185					190					195
Thr	Leu	Thr	Thr	Ile	Gly	Phe	Gly	Asp	Tyr	Val	Ala	Leu	Gln	Lys
				200					205					210
Asp	Gln	Ala	Leu	Gln	Thr	Gln	Pro	Gln	Tyr	Val	Ala	Phe	Ser	Phe
				215					220					225
Val	Tyr	Ile	Leu	Thr	Gly	Leu	Thr	Val	Ile	Gly	Ala	Phe	Leu	Asn
				230					235					240
Leu	Val	Val	Leu	Arg	Phe	Met	Thr	Met	Asn	Ala	Glu	Asp	Glu	Lys
				245					250					255
Arg	Asp	Ala	Glu	His	Arg	Ala	Leu	Leu	Thr	Arg	Asn	Gly	Gln	Ala
				260					265					270
Gly	Gly	Gly	Gly	Gly	Gly	Gly	Ser	Ala	His	Thr	Thr	Asp	Thr	Ala
				275					280					285
Ser	Ser	Thr	Ala	Ala	Ala	Gly	Gly	Gly	Gly	Phe	Arg	Asn	Val	Tyr
				290					295					300
Ala	Glu	Val	Leu	His	Phe	Gln	Ser	Met	Cys	Ser	Cys	Leu	Trp	Tyr
				305					310					315
Lys	Ser	Arg	Glu	Lys	Leu	Gln	Tyr	Ser	Ile	Pro	Met	Ile	Ile	Pro
				320					325					330
Arg	Asp	Leu	Ser	Thr	Ser	Asp	Thr	Cys	Val	Glu	Gln	Ser	His	Ser
				335					340					345
Ser	Pro	Gly	Gly	Gly	Gly	Arg	Tyr	Ser	Asp	Thr	Pro	Ser	Arg	Arg
				350					355					360
Cys	Leu	Cys	Ser	Gly	Ala	Pro	Arg	Ser	Ala	Ile	Ser	Ser	Val	Ser
				365					370					375
Thr	Gly	Leu	His	Ser	Leu	Ser	Thr	Phe	Arg	Gly	Leu	Met	Lys	Arg
				380					385					390
Arg	Ser	Ser	Val											

<210> 69
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1236935

<400> 69
 Met Cys Pro Phe Phe Pro Leu Thr Ser Leu Ile Val Phe Leu Ile
 1 5 10 15
 Leu Phe Phe Lys Thr Ile Ala Ser Ser Gly Ser Gly Gly Ser Cys
 20 25 30
 Leu Gly Leu Pro Lys Cys Trp Asp Tyr Arg Arg Glu His Arg Ala
 35 40 45
 Arg Pro Thr Ile Val Phe Ser Lys His Val Tyr Thr Tyr Ser Met

50 55 60
 Arg Met Gln Ile Glu Ile Ser Thr Asn Ile Ser Gln
 65 70

```
<210> 70
<211> 71
<212> PRT
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<223> Incyte Clone No: 1359283
```

<400>	70													
Met	Arg	Leu	Thr	Gly	Leu	Thr	Leu	Leu	Leu	Ser	Leu	Met	Glu	Ser
1				5					10					15
Leu	Gly	Gln	Val	Glu	Asp	Arg	Phe	Phe	Ser	Thr	His	Arg	Arg	Phe
				20					25					30
Pro	His	His	Thr	Pro	Ile	Ser	Gly	Leu	Leu	Cys	Arg	Glu	Phe	Ser
				35					40					45
Leu	Pro	Lys	Arg	Ser	Gly	Val	Pro	Trp	Thr	Arg	Val	Leu	Ile	Ser
				50					55					60
Cys	Ile	Trp	Arg	Ser	Gly	Ala	Gly	Lys	Arg	Met				
				65					70					

```
<210> 71
<211> 247
<212> PRT
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<223> Incyte Clone No: 1450703
```

<400>	71														
Met	His	Leu	Ala	Arg	Leu	Val	Gly	Ser	Cys	Ser	Leu	Leu	Leu	Leu	
1				5					10					15	
Leu	Gly	Ala	Leu	Ser	Gly	Trp	Ala	Ala	Ser	Asp	Asp	Pro	Ile	Glu	
				20					25					30	
Lys	Val	Ile	Glu	Gly	Ile	Asn	Arg	Gly	Leu	Ser	Asn	Ala	Glu	Arg	
				35					40					45	
Glu	Val	Gly	Lys	Ala	Leu	Asp	Gly	Ile	Asn	Ser	Gly	Ile	Thr	His	
				50					55					60	
Ala	Gly	Arg	Glu	Val	Glu	Lys	Val	Phe	Asn	Gly	Leu	Ser	Asn	Met	
				65					70					75	
Gly	Ser	His	Thr	Gly	Lys	Glu	Leu	Asp	Lys	Gly	Val	Gln	Gly	Leu	
				80					85					90	
Asn	His	Gly	Met	Asp	Lys	Val	Ala	His	Glu	Ile	Asn	His	Gly	Ile	
				95					100					105	
Gly	Gln	Ala	Gly	Lys	Glu	Ala	Glu	Lys	Leu	Gly	His	Gly	Val	Asn	
				110					115					120	
Asn	Ala	Ala	Gly	Gln	Ala	Gly	Lys	Glu	Ala	Asp	Lys	Ala	Val	Gln	
				125					130					135	
Gly	Phe	His	Thr	Gly	Val	His	Gln	Ala	Gly	Lys	Glu	Ala	Glu	Lys	
				140					145					150	
Leu	Gly	Gln	Gly	Val	Asn	His	Ala	Ala	Asp	Gln	Ala	Gly	Lys	Glu	
				155					160					165	
Val	Glu	Lys	Leu	Gly	Gln	Gly	Ala	His	His	Ala	Ala	Gly	Gln	Ala	
				170					175					180	
Gly	Lys	Glu	Leu	Gln	Asn	Ala	His	Asn	Gly	Val	Asn	Gln	Ala	Ser	

Lys	Glu	Ala	Asn	Gln	Leu	Leu	Asn	Gly	Asn	His	Gln	Ser	Gly	Ser	185	190	195
Ser	Ser	His	Gln	Gly	Gly	Ala	Thr	Thr	Thr	Pro	Leu	Ala	Ser	Gly	200	205	210
Ala	Ser	Val	Asn	Thr	Pro	Phe	Ile	Asn	Leu	Pro	Ala	Leu	Trp	Arg	215	220	225
Ser	Val	Ala	Asn	Ile	Met	Pro									230	235	240
															245		

<210> 72
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1910668

Met	Thr	Cys	Trp	Met	Leu	Pro	Pro	Ile	Ser	Phe	Leu	Ser	Tyr	Leu	1	5	10	15
Pro	Leu	Trp	Leu	Gly	Pro	Ile	Trp	Pro	Cys	Ser	Gly	Ser	Thr	Leu	20	25	30	35
Gly	Lys	Pro	Asp	Pro	Gly	Val	Trp	Pro	Ser	Leu	Phe	Arg	Pro	Trp	40	45	50	55
Asp	Ala	Ala	Ser	Pro	Gly	Asn	Tyr	Ala	Leu	Ser	Arg	Gly	Glu	Asn	60	65	70	
Gln	Tyr	Glu	Lys	Trp	Gly	Gln	Gly	Thr	His	Ser	Ser	Leu						

<210> 73
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1955143

Met	Gly	Arg	Leu	Arg	Tyr	Phe	Phe	Ser	Leu	Leu	Leu	Leu	Arg	Trp	1	5	10	15
Gly	Gln	Leu	Leu	Gly	Ala	Asp	Glu	Phe	Cys	Cys	His	Lys	Ser	Tyr	20	25	30	35
Ile	Ala	His	Leu	Val	Cys	Thr	Glu	Ser	Ala	Ile	Leu	Asn	Pro	Gly	40	45	50	55
His	Ala	Leu	Glu	Leu	Tyr	Lys	Lys	Asn	Leu	Gln	Val	Ser	Ile	Leu	60	65	70	
Ser	Pro	Tyr	Pro	Thr	Asp	Pro	Ile	His	Leu									

<210> 74
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1961637

<400> 74
 Met Met Phe Thr Ser Leu Ser Leu Ala Leu Pro Phe Leu Leu Gln
 1 5 10 15
 Thr Met Leu Cys Leu Arg Ala Leu Leu Ile Ala Val Pro His Gly
 20 25 30
 His Asp Trp Asn Arg Asp Ala Thr Ser Phe Tyr Thr Ser Thr Val
 35 40 45
 Ser Trp Val Lys Ser Phe Phe Leu Phe Val Leu Asp Gly Val Ser
 50 55 60
 Leu Leu Leu Pro Arg Leu Glu
 65

<210> 75
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1990762

<400> 75
 Met Trp Pro Thr Thr Trp Ala Trp Ser Trp Val Gln Thr Leu Thr
 1 5 10 15
 Leu Ala Leu Leu Ile Ser Cys Val Thr Leu Gly Gln Leu Ile Thr
 20 25 30
 Thr Leu Gln Val Ser Phe Leu Ile Cys Glu Met Asp Val Ile Ile
 35 40 45
 Gly Cys Asp Glu Met Ile Pro Ser Glu Ser Leu Val Leu Leu Trp
 50 55 60
 Pro Pro Pro Leu Leu Leu Leu Gly Glu Phe Trp Ile Trp Asn Pro
 65 70 75
 Val Ser Arg Ile Leu Phe Trp Leu Cys His Val Pro Ala Gly Gln
 80 85 90
 Leu

<210> 76
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1994131

<400> 76
 Met Asn Glu Trp Trp Leu Leu Leu Leu Leu His Leu His Pro Pro
 1 5 10 15
 Arg Val Ile Ser Pro Phe Trp Phe Ile Val Ser Val Leu Thr Ala
 20 25 30
 Cys Asp Asn Arg Lys Tyr Ile Leu Leu Arg Thr Val Pro Val Phe
 35 40 45
 Ser Phe Pro Glu Asn Thr Tyr Phe Asp Val Gly
 50 55

<210> 77
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1997745

<400> 77
 Met Pro Leu Phe Leu Ser Ile Pro Ser Leu Phe Leu Thr Leu Ser
 1 5 10 15
 Gly Leu Gly Leu Ala Val Gln Ser Pro Ala Gly Gly Cys Trp Gly
 20 25 30
 Leu Ser Leu Cys Arg His Cys Val Phe Leu Arg Gly Cys Pro Gln
 35 40 45
 Asn Thr Pro Pro Ala Pro Trp Gly Ser Ser Gly Ser His Phe Ser
 50 55 60
 Trp Ser Leu Arg Ser Gln Lys Gln Leu Leu Gln Glu Ala Lys Lys
 65 70 75
 Arg Leu Gly Trp Leu Leu Val Leu Met Met Ala Phe Ile Leu Leu
 80 85 90
 Gly His Phe Gly Tyr Ile His Gly His Cys Phe His Leu Ser Phe
 95 100 105
 Leu Pro Val Pro Pro Leu Pro
 110

<210> 78
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2009035

<400> 78
 Met Met Leu Gln Pro Val Asp Leu Leu Gln Ser Tyr Leu Leu Leu
 1 5 10 15
 Leu Tyr Cys Trp Ser Phe Ser Leu Leu Phe Thr Leu Leu Cys Asn
 20 25 30
 Ala Val Arg Asn Asp Phe Phe His Lys Leu Phe Ser Ile Tyr Trp
 35 40 45
 Met Tyr Asn Leu Thr His Ser Lys His
 50

<210> 79
 <211> 57
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2009152

<400> 79

Met	Lys	Phe	Tyr	Ala	Val	Leu	Leu	Ser	Ile	Cys	Leu	Leu	Leu	Ser
1				5					10					15
Cys	Trp	Cys	Ala	Cys	His	Val	Arg	Asp	Cys	Asn	Leu	Ile	Cys	Leu
				20					25					30
Phe	Ser	Thr	Val	Lys	Ala	Ile	Thr	Arg	Glu	Leu	Leu	Gln	Leu	Pro
				35					40					45
Ser	Tyr	Val	Lys	Arg	Phe	Phe	Phe	Asn	Ser	Leu	Arg			
				50					55					

<210> 80

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2061752

<400> 80

Met	Gln	Arg	Leu	Gly	Lys	Ala	Pro	Gly	Thr	Trp	Gln	Ala	Ile	Ser
1				5					10					15
Lys	Cys	Trp	Leu	Leu	Leu	Leu	Ser	Leu	Pro	Phe	Ser	Gln	Ser	
				20					25					30
Ile	Ile	Ile	Ser	Leu	Arg	Ala	Gly	Thr	Met	Ser	Tyr	Leu	Pro	Leu
				35					40					45
Tyr	Phe	Pro	Gln	Tyr	Phe	Pro								
				50										

<210> 81

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2061933

<400> 81

Met	Lys	Leu	Leu	Leu	Leu	Lys	Leu	Asp	Phe	Phe	Ile	Leu	Leu	Gly
1				5					10					15
Ser	Glu	Glu	Ser	Arg	Cys	Leu	Val	Asp	Val	Gln	Tyr	Val	Ile	Phe
				20					25					30
Phe	Leu	Ile	Glu	Cys	Val	His	Leu	Lys	Ser	Ser	Leu	Thr	Phe	Leu
				35					40					45
Glu	Arg	Leu	Leu	Ser	Ile	Asn	Asn	Gly	Ile	Leu	Glu	Glu	Lys	Trp
				50					55					60
Phe	Phe	Lys	Ser											

<210> 82

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2081422

<400> 82

Met	Lys	Pro	Leu	Ile	Pro	Phe	Leu	Ser	Pro	Pro	Pro	Leu	Leu	Pro
1				5					10					15
Leu	Thr	Phe	Phe	Leu	Ser	Ser	Leu	Leu	Leu	Ser	Pro	Leu	Cys	Arg
				20					25					30
Ala	Leu	Gly	Thr	Ser	Gln	Ala	Val	Pro	Pro	Leu	Arg	Ala	Leu	Ser
				35					40					45
Val	Thr	Asp	Ala	His	Gly	Ser	Leu	Leu	Leu	His	Pro	Lys	Thr	Leu
				50					55					60
Ala	Cys	Pro	Cys	Leu										
				65										

<210> 83

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2101278

<400> 83

Met	Arg	Ala	Asp	Arg	Leu	Leu	Pro	Ile	Ser	Ala	Leu	Cys	Leu	Leu
1				5					10					15
Tyr	Thr	Pro	Gly	Gly	Ala	Leu	Glu	Pro	Ala	Gln	Val	Gly	Tyr	Thr
				20					25					30
Ile	Phe	Leu	Asn	Ser	Ile	Trp	Leu	Pro	Ala	Tyr	Phe	Phe	His	Leu
				35					40					45
Phe	Thr	Val	Ile	Ser	Gly	Val	Phe	Leu	Phe	Ile				
				50					55					

<210> 84

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2121353

<400> 84

Met	Pro	Ala	Leu	Pro	Pro	Gly	Phe	Ser	Gln	Ala	Gly	Ser	Cys	Val
1				5					10					15
Pro	Thr	Gly	Ser	Ser	Leu	Val	Leu	Cys	Leu	Leu	Ala	Ala	Ser	Leu
				20					25					30
Leu	Leu	Phe	Val	Pro	Thr	Leu	Ala	Leu	Leu	Thr	Gly	Ala	Thr	Thr
				35					40					45
Cys	Trp	Cys	Leu	His	Asn	Lys	Arg	Leu	Ala	Leu	Arg	Pro	Leu	Ala
				50					55					60
Trp	Gln	Gly	Leu	Trp	Gly	Leu	Val	Ser	Thr	Arg	Leu	Ser	His	Gly
				65					70					75
Arg	Thr	Ser	Phe	Tyr	Phe	Asn	Ser	Leu	Pro	Leu	Gln	Thr	Asn	Ser
				80					85					90
Ser	Thr	Cys	Gln	Asn	His	Ser	Trp	Asp	Ser	Gly	Ala	Arg	Ala	Thr
				95					100					105
Ala	Leu	Ala	Ser	Gly	Arg	Thr	Gln	Glu	Gly	Gly	Val	Gly	Ser	Val
				110					115					120

<210> 85
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2241736

<400> 85
 Met Asn Ser Leu Val Leu Phe Leu Gly His Leu Gly Leu Leu Ile
 1 5 10 15
 Lys Asp Cys Val Leu Leu Phe Ala Met Ser Lys Val Ser Gln Lys
 20 25 30
 Gln Lys Val Leu Gly Pro Phe Gly Ser Pro Glu Leu Glu Ser Leu
 35 40 45
 Gly Ile Gly Pro Arg Tyr Leu His Phe His Arg Phe Leu Val Gly
 50 55 60
 Asp Phe Leu Gln Ala Lys Val
 65

<210> 86
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2271935

<400> 86
 Met Ala Trp Leu Ser Phe Ala Ala Val Glu Met Thr Leu Leu Leu
 1 5 10 15
 His Ser Ser Ser Leu Leu Ser Phe Ala Lys Val Val Leu Ser Leu
 20 25 30
 Pro Glu Ile Arg Pro Phe Gly Asp Gly Asn Phe Ser Leu Lys Gln
 35 40 45
 Ser Ser Lys Gln Asn Pro Asn Pro Ala Arg Val Gly Arg Lys Ser
 50 55 60
 Met Phe

<210> 87
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2295344

<400> 87
 Met Met Ile Leu Leu Ser Leu Leu Val Ala Leu Ile Ser Val Ser
 1 5 10 15
 Leu Val Phe Leu Gly Leu Val Arg Phe Ser Arg Glu Asp Phe Ser
 20 25 30
 Phe Pro Leu Trp Arg Glu Lys Ala Phe Tyr Gln His Ser Ser Ser

				35					40					45
Ser	Val	Gly	Glu	Arg	Leu	Gln	Ala	Leu	Arg	Lys	His	Ala	Phe	Thr
				50					55					60
Leu	Phe	Gly	Thr	Ile	Pro	Leu	Leu	Val	Thr	Val	Pro	Gln	Val	Pro
				65					70					75

<210> 88
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2303994

<400> 88														
Met	Asn	Ser	Ile	Phe	Phe	Leu	Ser	Leu	Cys	Leu	Pro	Leu	Trp	Val
1				5					10					15
Ser	Leu	Leu	Trp	Ala	Lys	Pro	Leu	Glu	Met	His	Lys	Thr	Ser	Arg
				20					25					30
His	Gly	Phe	Trp	Gln	Lys	Leu	His	Asp	Phe	Lys	Leu	Ala	Leu	Leu
				35					40					45
Leu	Leu	Thr	Phe	His	Arg	Glu	Lys	Ile	Phe	Pro	Leu	Lys	Lys	Thr
				50					55					60
Gly	Leu	Val	Ile	Phe	Ser	Leu	Val	Ala	Leu	Ser	Arg	Asp	Ile	Ser
				65					70					75
Ala	Leu	His	Tyr	Thr										
				80										

<210> 89
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2497805

<400> 89														
Met	Arg	Pro	Ala	Arg	Leu	Gly	Pro	Arg	Cys	Ser	Asp	Leu	Asp	Phe
1				5					10					15
Gly	Leu	Val	Leu	Ser	Ser	Trp	Leu	Arg	Leu	Ala	Arg	Cys	Pro	Leu
				20					25					30
Glu	Ser	Ser	Phe	Gly	Phe	Ala	Phe	Phe	Val	Cys	Leu	Phe	Ser	Pro
				35					40					45
Asn	Phe	Cys	Gln	Thr										
				50										

<210> 90
 <211> 116
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2646362
 <400> 90

Met	Trp	Trp	Ala	Leu	Cys	Ser	Met	Leu	Pro	Leu	Leu	Gly	Cys	Ala	
1				5					10					15	
Cys	Ser	Ser	Gly	Cys	Trp	Gly	Ser	Gly	Pro	Thr	Pro	Leu	Leu	Ala	
				20					25					30	
Glu	Pro	Thr	Phe	Leu	Cys	Val	Ser	Ser	Arg	Pro	His	Asn	Pro	Leu	
				35					40					45	
Ser	Phe	Leu	Ser	Val	Leu	Pro	Cys	Ser	Arg	Gly	Pro	Gly	Pro	Ser	
				50					55					60	
Gly	Leu	Gln	Gly	Asp	Gly	Ala	Gly	Leu	Pro	Ala	His	Leu	Gly	Pro	
				65					70					75	
Leu	Ser	Cys	Ile	Cys	Leu	Pro	Ser	Leu	Leu	Cys	Asp	Leu	Gly	Glu	
				80					85					90	
Arg	Gln	Cys	Pro	Leu	Trp	Ala	Val	Arg	Ser	Thr	Gln	Cys	Leu	Ile	
				95					100					105	
Ala	Gly	Lys	Lys	Val	Leu	Gln	Arg	Leu	Cys	Pro					
				110					115						

<210> 91
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2657146

Met	Ile	Cys	Gln	Cys	Leu	Arg	Leu	Leu	Leu	Val	Leu	Val	Thr	Leu	
1				5					10					15	
Leu	Ile	Cys	Phe	Ser	Pro	Asp	Arg	Leu	Thr	Cys	Pro	Leu	Asn	Ser	
				20					25					30	
Ala	Val	Val	Leu	Ala	Ser	Tyr	Ala	Val	Gln	Cys	Lys	Ser	Gln	Arg	
				35					40					45	
Glu	His	Phe	Thr	Asp	Gly	Gln	Val	Val	Leu	Ile	Ser	Val	Trp	Arg	
				50					55					60	
Lys	Ser	Leu	Val	Pro	Pro	Ala									
				65											

<210> 92
 <211> 538
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2755786

Met	Ala	Gly	Ala	Arg	Ala	Ala	Ala	Ala	Ala	Ser	Ala	Gly	Ser		
1				5					10				15		
Ser	Ala	Ser	Ser	Gly	Asn	Gln	Pro	Pro	Gln	Glu	Leu	Gly	Leu	Gly	
				20					25					30	
Glu	Leu	Leu	Glu	Glu	Phe	Ser	Arg	Thr	Gln	Tyr	Arg	Ala	Lys	Asp	
				35					40					45	
Gly	Ser	Gly	Thr	Gly	Gly	Ser	Lys	Val	Glu	Arg	Ile	Glu	Lys	Arg	
				50					55					60	
Cys	Leu	Glu	Leu	Phe	Gly	Arg	Asp	Tyr	Cys	Phe	Ser	Val	Ile	Pro	
				65					70					75	
Asn	Thr	Asn	Gly	Asp	Ile	Cys	Gly	His	Tyr	Pro	Arg	His	Ile	Val	

Phe	Leu	Glu	Tyr	80	Glu	Ser	Ser	Glu	Lys	85	Glu	Lys	Asp	Thr	Phe	Glu	90
				95						100							105
Ser	Thr	Val	Gln	110	Val	Ser	Lys	Leu	Gln	115	Asp	Leu	Ile	His	Arg	Ser	120
Lys	Met	Ala	Arg	125	Cys	Arg	Gly	Arg	Phe	130	Val	Cys	Pro	Val	Ile	Leu	135
Phe	Lys	Gly	Lys	140	His	Ile	Cys	Arg	Ser	145	Ala	Thr	Leu	Ala	Gly	Trp	150
Gly	Glu	Leu	Tyr	155	Gly	Arg	Ser	Gly	Tyr	160	Asn	Tyr	Phe	Phe	Ser	Gly	165
Gly	Ala	Asp	Asp	170	Ala	Trp	Ala	Asp	Val	175	Glu	Asp	Val	Thr	Glu	Glu	180
Asp	Cys	Ala	Leu	185	Arg	Ser	Gly	Asp	Thr	190	His	Leu	Phe	Asp	Lys	Val	195
Arg	Gly	Tyr	Asp	200	Ile	Lys	Leu	Leu	Arg	205	Tyr	Leu	Ser	Val	Lys	Tyr	210
Ile	Cys	Asp	Leu	215	Met	Val	Glu	Asn	Lys	220	Lys	Val	Lys	Phe	Gly	Met	225
Asn	Val	Thr	Ser	230	Ser	Glu	Lys	Val	Asp	235	Lys	Ala	Gln	Arg	Tyr	Ala	240
Asp	Phe	Thr	Leu	245	Leu	Ser	Ile	Pro	Tyr	250	Pro	Gly	Cys	Glu	Phe	Phe	255
Lys	Glu	Tyr	Lys	260	Asp	Arg	Asp	Tyr	Met	265	Ala	Glu	Gly	Leu	Ile	Phe	270
Asn	Trp	Lys	Gln	275	Asp	Tyr	Val	Asp	Ala	280	Pro	Leu	Ser	Ile	Pro	Asp	285
Phe	Leu	Thr	His	290	Ser	Leu	Asn	Ile	Asp	295	Trp	Ser	Gln	Tyr	Gln	Cys	300
Trp	Asp	Leu	Val	305	Gln	Gln	Thr	Gln	Asn	310	Tyr	Leu	Lys	Leu	Leu	Leu	315
Ser	Leu	Val	Asn	320	Ser	Asp	Asp	Asp	Ser	325	Gly	Leu	Leu	Val	His	Cys	330
Ile	Ser	Gly	Trp	335	Asp	Arg	Thr	Pro	Leu	340	Phe	Ile	Ser	Leu	Leu	Arg	345
Leu	Ser	Leu	Trp	350	Ala	Asp	Gly	Leu	Ile	355	His	Thr	Ser	Leu	Lys	Pro	360
Thr	Glu	Ile	Leu	365	Tyr	Leu	Thr	Val	Ala	370	Tyr	Asp	Trp	Phe	Leu	Phe	375
Gly	His	Met	Leu	380	Val	Asp	Arg	Leu	Ser	385	Lys	Gly	Glu	Glu	Ile	Phe	390
Phe	Phe	Cys	Phe	395	Asn	Phe	Leu	Lys	His	400	Ile	Thr	Ser	Glu	Glu	Phe	405
Ser	Ala	Leu	Lys	410	Thr	Gln	Arg	Arg	Lys	415	Ser	Leu	Pro	Ala	Arg	Asp	420
Gly	Gly	Phe	Thr	425	Leu	Glu	Asp	Ile	Cys	430	Met	Leu	Arg	Arg	Lys	Asp	435
Arg	Gly	Ser	Thr	440	Thr	Ser	Leu	Gly	Ser	445	Asp	Phe	Ser	Leu	Val	Met	450
Glu	Ser	Ser	Pro	455	Gly	Ala	Thr	Gly	Ser	460	Phe	Thr	Tyr	Glu	Ala	Val	465
Glu	Leu	Val	Pro	470	Ala	Gly	Ala	Pro	Thr	475	Gln	Ala	Ala	Trp	Leu	Ala	480
Ala	Leu	Ser	Asp	485	Arg	Glu	Thr	Arg	Leu	490	Gln	Glu	Val	Arg	Ser	Ala	495
Phe	Leu	Ala	Ala	500	Tyr	Ser	Ser	Thr	Val	505	Gly	Leu	Arg	Ala	Val	Ala	510
Pro	Ser	Pro	Ser	515	Gly	Ala	Ile	Gly	Gly	520	Leu	Leu	Glu	Gln	Phe	Ala	525
Arg	Gly	Val	Gly	530	Leu	Arg	Ser	Ile	Ser	535	Ser	Asn	Ala	Leu			

PF-0541 PCT

<210> 93
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2831245

<400> 93
Met Glu Met Lys Gly Ser Arg Val Trp Leu Leu Leu Leu Phe Met
1 5 10 15
Trp Lys Ala Arg Pro Thr Phe Phe Gln Ser Cys Val Val Pro Phe
20 25 30
Ile Leu Ser Pro Gln Asn Cys Val Gln Thr His Ser Leu Gly Pro
35 40 45
Gly Val Trp Leu Gly Val Phe Pro Ser Gly Ser Leu His
50 55

<210> 94
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3116250

<400> 94
Met Lys Val Leu Ile Ser Ser Leu Leu Leu Leu Leu Pro Leu Met
1 5 10 15
Leu Met Ser Met Val Ser Ser Ser Leu Asn Pro Gly Val Ala Arg
20 25 30
Gly His Arg Asp Arg Gly Gln Ala Ser Arg Arg Trp Leu Gln Glu
35 40 45
Gly Gly Gln Glu Cys Glu Cys Lys Asp Trp Phe Leu Arg Ala Pro
50 55 60
Arg Arg Lys Phe Met Thr Val Ser Gly Leu Pro Lys Lys Gln Cys
65 70 75
Pro Cys Asp His Phe Lys Gly Asn Val Lys Lys Thr Arg His Gln
80 85 90
Arg His His Arg Lys Pro Asn Lys His Ser Arg Ala Cys Gln Gln
95 100 105
Phe Leu Lys Gln Cys Gln Leu Arg Ser Phe Ala Leu Pro Leu
110 115

<210> 95
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3129630

<400> 95
Met Ala Tyr Ser Thr Val Gln Arg Val Ala Leu Ala Ser Gly Leu
1 5 10 15
Val Leu Ala Leu Ser Leu Leu Leu Pro Lys Ala Phe Leu Ser Arg

PF-0541 PCT

	20		25		30									
Gly	Lys	Arg	Gln	Glu	Pro	Pro	Pro	Thr	Pro	Glu	Gly	Lys	Leu	Gly
	35		40		45									
Arg	Phe	Pro	Pro	Met	His	His	His	His	Gln	Ala	Pro	Ser	Asp	Gly
	50		55		60									
Gln	Thr	Pro	Gly	Ala	Arg	Phe	Gln	Arg	Ser	His	Leu	Ala	Glu	Ala
	65		70		75									
Phe	Ala	Lys	Ala	Lys	Gly	Ser	Gly	Gly	Gly	Ala	Gly	Gly	Gly	Gly
	80		85		90									
Ser	Gly	Arg	Gly	Leu	Met	Gly	Gln	Ile	Ile	Pro	Ile	Tyr	Gly	Phe
	95		100		105									
Gly	Ile	Phe	Leu	Tyr	Ile	Leu	Tyr	Ile	Leu	Phe	Lys	Val	Ser	Arg
	110		115		120									
Ile	Ile	Leu	Ile	Ile	Leu	His	Gln							
	125													

<210> 96
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 007632

<400>	96													
Met	Tyr	Lys	Leu	Ala	Ser	Cys	Cys	Leu	Leu	Phe	Ile	Gly	Phe	Leu
1			5						10					15
Asn	Pro	Leu	Leu	Ser	Leu	Pro	Leu	Leu	Asp	Ser	Arg	Glu	Ile	Ser
			20						25					30
Phe	Gln	Leu	Ser	Ala	Pro	His	Glu	Asp	Ala	Arg	Leu	Thr	Pro	Glu
			35						40					45
Glu	Leu	Glu	Arg	Ala	Ser	Leu	Leu	Gln	Ile	Leu	Pro	Glu	Met	Leu
			50						55					60
Gly	Ala	Glu	Arg	Gly	Asp	Ile	Leu	Arg	Lys	Ala	Asp	Ser	Ser	Thr
			65						70					75
Asn	Ile	Phe	Asn	Pro	Arg	Gly	Asn	Leu	Arg	Lys	Phe	Gln	Asp	Phe
			80						85					90
Ser	Gly	Gln	Asp	Pro	Asn	Ile	Leu	Leu	Ser	His	Leu	Leu	Ala	Arg
			95						100					105
Ile	Trp	Lys	Pro	Tyr	Lys	Lys	Arg	Glu	Thr	Pro	Asp	Cys	Phe	Trp
			110						115					120
Lys	Tyr	Cys	Val											

<210> 97
 <211> 182
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1236968

<400>	97													
Met	Trp	Pro	Leu	Ser	Ser	Asp	Ser	Ser	Trp	Ser	Leu	Trp	Ile	Ser
1			5						10					15
Thr	Gly	Met	Ala	Pro	Ala	Pro	Ser	Ser	Ser	Thr	Arg	Ser	Phe	Ser
			20						25					30
Glu	Ser	Leu	Lys	Gln	Lys	Leu	Val	Arg	Val	Leu	Glu	Glu	Asn	Leu

	35		40		45
Ile Leu Ser Glu Lys	Ile Gln Gln Leu Glu	Glu Gly Ala Ala Ile			
50	55	60			
Ser Ile Val Ser Gly	Gln Gln Ser His Thr	Tyr Asp Asp Leu Leu			
65	70	75			
His Lys Asn Gln Gln	Leu Thr Met Gln Val	Ala Cys Leu Asn Gln			
80	85	90			
Glu Leu Ala Gln Leu	Lys Lys Leu Glu Lys	Thr Val Ala Ile Leu			
95	100	105			
His Glu Ser Gln Arg	Ser Leu Val Val Thr	Asn Glu Tyr Leu Leu			
110	115	120			
Gln Gln Leu Asn Lys	Glu Pro Lys Gly Tyr	Ser Gly Lys Ala Leu			
125	130	135			
Leu Pro Pro Glu Lys	Gly His His Leu Gly	Arg Ser Ser Pro Phe			
140	145	150			
Gly Lys Ser Thr Leu	Ser Ser Ser Ser Pro	Val Ala His Glu Thr			
155	160	165			
Gly Gln Tyr Leu Ile	Gln Ser Val Leu Asp	Ala Ala Pro Glu Pro			
170	175	180			
Gly Leu					

<210> 98
 <211> 237
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1334153

<400> 98	
Met Lys Gly Ile Leu Val Ala Gly Ile Thr Ala Val Leu Val Ala	
1 5 10 15	
Ala Val Glu Ser Leu Ser Cys Val Pro Cys Asn Ser Trp Glu Lys	
20 25 30	
Ser Cys Val Asn Ser Ile Ala Ser Glu Cys Pro Ser His Ala Asn	
35 40 45	
Thr Ser Cys Ile Ser Ser Ser Ala Ser Ser Ser Leu Glu Thr Pro	
50 55 60	
Val Arg Leu Tyr Gln Asn Met Phe Cys Ser Ala Glu Asn Cys Ser	
65 70 75	
Glu Glu Thr His Ile Thr Ala Phe Thr Val His Val Ser Ala Glu	
80 85 90	
Glu His Phe His Phe Val Ser Gln Cys Cys Gln Gly Lys Glu Cys	
95 100 105	
Ser Asn Thr Ser Asp Ala Leu Asp Pro Pro Leu Lys Asn Val Ser	
110 115 120	
Ser Asn Ala Glu Cys Pro Ala Cys Tyr Glu Ser Asn Gly Thr Ser	
125 130 135	
Cys Arg Gly Lys Pro Trp Lys Cys Tyr Glu Glu Glu Gln Cys Val	
140 145 150	
Phe Leu Val Ala Glu Leu Lys Asn Asp Ile Glu Ser Lys Ser Leu	
155 160 165	
Val Leu Lys Gly Cys Ser Asn Val Ser Asn Ala Thr Cys Gln Phe	
170 175 180	
Leu Ser Gly Glu Asn Lys Thr Leu Gly Gly Val Ile Phe Arg Lys	
185 190 195	
Phe Glu Cys Ala Asn Val Asn Ser Leu Thr Pro Thr Ser Ala Pro	
200 205 210	
Thr Thr Ser His Asn Val Gly Ser Lys Ala Ser Leu Tyr Leu Leu	
215 220 225	
Ala Leu Ala Ser Leu Leu Leu Arg Gly Leu Leu Pro	

230

235

<210> 99
 <211> 160
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1396975

<400> 99
 Met Arg Pro Gly Pro Met Leu Gln Ala Arg Val Ser Ile Pro Ala
 1 5 10 15
 Ala Leu Gly Thr Leu Phe Pro Arg Pro Gly Trp Ala Pro Gly Glu
 20 25 30
 Val Ser Ser Glu Ile Ser Ser Arg Asp Leu Leu Asn Pro His Pro
 35 40 45
 Ser Thr Pro Ser Cys Cys Ser Gln Ser Trp Ser Pro Met Ser Val
 50 55 60
 Leu Glu Pro Asp Ser Arg Gly Pro Pro Pro Ile Ser Leu Thr His
 65 70 75
 Thr Gly Ile His Thr Pro Gln Lys Thr Ser Gln Met Arg Pro Asp
 80 85 90
 Ser Gly Ser Arg Gly Met Cys Phe Cys Pro Cys Lys Gly Phe Gly
 95 100 105
 Glu Gly Gly Asn Ile Val Glu Ala Gly Lys Ser Pro Gln Thr Cys
 110 115 120
 Ala His Ala Pro Pro Ala Leu Arg Phe His Ser Ala Phe Ser Glu
 125 130 135
 Cys Pro Cys Cys Thr Gln Thr Thr Gly Gln Glu Arg Pro Ser Leu
 140 145 150
 Pro Leu Gln Pro Leu Ser Leu Pro Phe Asn
 155 160

<210> 100
 <211> 148
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1501749

<400> 100
 Met Ala Ala Ser Pro Ala Arg Pro Ala Val Leu Ala Leu Thr Gly
 1 5 10 15
 Leu Ala Leu Leu Leu Leu Leu Cys Trp Gly Pro Gly Gly Ile Ser
 20 25 30
 Gly Asn Lys Leu Lys Leu Met Leu Gln Lys Arg Glu Ala Pro Val
 35 40 45
 Pro Thr Lys Thr Lys Val Ala Val Asp Glu Asn Lys Ala Lys Glu
 50 55 60
 Phe Leu Gly Ser Leu Lys Arg Gln Lys Arg Gln Leu Trp Asp Arg
 65 70 75
 Thr Arg Pro Glu Val Gln Gln Trp Tyr Gln Gln Phe Leu Tyr Met
 80 85 90
 Gly Phe Asp Glu Ala Lys Phe Glu Asp Asp Ile Thr Tyr Trp Leu
 95 100 105

PF-0541 PCT

Asn	Arg	Asp	Arg	Asn	Gly	His	Glu	Tyr	Tyr	Gly	Asp	Tyr	Tyr	Gln
				110					115					120
Arg	His	Tyr	Asp	Glu	Asp	Ser	Ala	Ile	Gly	Pro	Arg	Ser	Pro	Tyr
				125					130					135
Gly	Phe	Arg	His	Gly	Ala	Ser	Val	Asn	Tyr	Asp	Asp	Tyr		
				140					145					

<210> 101
<211> 170
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1575240

<400> 101														
Met	Thr	Pro	Thr	Lys	Arg	Glu	Pro	Pro	Ala	Ala	Pro	Leu	Leu	Leu
1				5					10					15
Arg	Val	Leu	Pro	Gln	Leu	Ser	Ala	Met	Ser	Leu	Arg	Leu	Ser	Thr
				20					25					30
Arg	Arg	Glu	Asp	Met	Ile	Gly	Gln	Thr	Ser	Gly	Met	Cys	Ser	Phe
				35					40					45
Cys	Ser	Phe	Gln	Asn	Met	Arg	Gly	Glu	Ser	Ile	Trp	Leu	Leu	Cys
				50					55					60
Leu	Glu	Glu	Glu	Gly	Ala	Gly	Leu	Cys	Gln	Asn	Ser	Leu	Asp	Lys
				65					70					75
Arg	Phe	Ser	Gln	Lys	Glu	Gly	Cys	Ser	Asp	Asp	Lys	Ser	Pro	Leu
				80					85					90
His	His	Phe	Pro	Trp	Leu	Ser	Asp	Ala	Pro	Pro	Ser	Ser	His	Ala
				95					100					105
Arg	Thr	Ser	Glu	Ile	Arg	Leu	Pro	Pro	Asp	Ile	Thr	Gln	Pro	Cys
				110					115					120
Leu	Thr	Lys	Arg	Gln	Trp	Phe	Ile	Pro	Ser	Leu	Gly	Glu	Lys	Arg
				125					130					135
Gly	Asn	Ala	Lys	Leu	Leu	His	Gln	Leu	Leu	Ile	Leu	Leu	Pro	Ala
				140					145					150
Arg	Asn	Pro	Gly	Tyr	Leu	Gln	Val	Ser	Leu	Pro	Leu	Val	Trp	Ser
				155					160					165
Trp	Leu	Ser	Leu	Phe										
				170										

<210> 102
<211> 150
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1647884

<400> 102														
Met	Gly	Ala	Ala	Ala	Trp	Ala	Arg	Pro	Leu	Ser	Val	Ser	Phe	Leu
1				5					10					15
Leu	Leu	Leu	Leu	Pro	Leu	Pro	Gly	Met	Pro	Ala	Gly	Ser	Trp	Asp
				20					25					30
Pro	Ala	Gly	Tyr	Leu	Leu	Tyr	Cys	Pro	Cys	Met	Gly	Lys	Ala	Ser
				35					40					45
Gln	Ala	Leu	Cys	Ser	Asp	Gly	Glu	Thr	Glu	Ala	Gly	Arg	Gly	Lys
				50					55					60

PF-0541 PCT

Ala	Thr	Pro	Gln	Met	Arg	Pro	Glu	Thr	Pro	Ser	Gln	Val	Gln	Glu
				65					70					75
Arg	Thr	Ser	Glu	Arg	Asp	Gly	Ala	Cys	Ser	Ser	Pro	Leu	Cys	Leu
				80					85					90
Ser	Cys	Lys	Gly	Thr	Glu	Gly	Pro	Thr	Cys	Pro	Thr	Phe	His	Leu
				95					100					105
Thr	Asp	Glu	Lys	Thr	Glu	Ala	Gly	Arg	Gly	Tyr	Val	Thr	Cys	Leu
				110					115					120
Arg	Ser	Lys	Pro	Val	Gln	Gly	Pro	Val	Asn	Gly	Val	Ser	Gly	Ala
				125					130					135
Gly	Leu	Asp	Val	Thr	Asp	Pro	Arg	Trp	Leu	Leu	Val	Ile	Phe	His
				140					145					150

<210> 103
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1661144

<400>	103													
Met	Gly	Cys	Leu	Val	Trp	Gly	Pro	Ser	Trp	Pro	Pro	Leu	Ser	Leu
1				5					10					15
Leu	Ala	Ser	Leu	Leu	His	Ser	Gly	Ile	Ala	Gly	Arg	Cys	Leu	Leu
				20					25					30
Cys	Leu	Phe	Lys	Gly	Leu	Ala	Ala	Ala	Ala	Ser	Leu	Gln	Ile	Arg
				35					40					45
Asp	Leu	Ala	Ser	Arg	Leu	Thr	Thr	Gly	Pro	Arg	Thr	Cys	Arg	Val
				50					55					60
Gln	Pro	Pro	Pro	His	Pro	Gln	Ser	Ser	Pro	Pro	Trp	Pro	Gly	Pro
				65					70					75
Pro	Gly	Ala	Glu	Thr	Cys	Arg	Pro	Leu	Ser	Arg	Thr	Val	Gly	Gly
				80					85					90
Val	Cys	Pro	Ser	Asp	Trp	Pro	Val	Ser	Trp	Leu	Leu	Leu	Pro	Pro
				95					100					105
Leu	Pro	Glu	Val	Val	Thr	Cys	Ser	Cys	Pro	Arg	Ile	Lys	Ala	Arg
				110					115					120
Pro	Glu	Arg	Thr	Pro	Glu	Leu	Leu	Cys	Ala	Trp	Gly	Gly	Arg	Gly
				125					130					135
Lys	His	Ser	Gln	Leu	Val	Ala								
				140										

<210> 104
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1685409

<400>	104													
Met	Glu	Thr	Gly	Arg	Leu	Leu	Ser	Leu	Ser	Ser	Leu	Pro	Leu	Val
1				5					10					15
Leu	Leu	Gly	Trp	Glu	Tyr	Ser	Ser	Gln	Thr	Leu	Asn	Leu	Val	Pro
				20					25					30
Ser	Thr	Ser	Ile	Leu	Ser	Phe	Val	Pro	Phe	Ile	Pro	Leu	His	Leu

				35					40					45
Val	Leu	Phe	Ala	Leu	Trp	Tyr	Leu	Pro	Val	Pro	His	His	Leu	Tyr
				50					55					60
Pro	Gln	Gly	Leu	Gly	Asp	His	Ala	Ala	Glu	Ala	Glu	Lys	Gly	Lys
				65					70					75
Arg	Glu	Glu	Gly	Gly	Thr	Gln	Val	Ala	Leu	Trp	Leu	Arg	Val	Gln
				80					85					90
Pro	Ser	Cys	Pro	Ser	Pro	Val	Cys	Leu	Glu	Pro	Val	Pro	Pro	Arg
				95					100					105
Ser	Arg	Phe	Leu	Leu										
				110										

<210> 105
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1731419

<400> 105														
Met	Ser	Arg	Ala	Gly	Met	Leu	Gly	Val	Val	Cys	Ala	Leu	Leu	Val
1				5					10					15
Trp	Ala	Tyr	Leu	Ala	Val	Gly	Lys	Leu	Val	Val	Arg	Met	Thr	Phe
				20					25					30
Thr	Glu	Leu	Cys	Thr	His	His	Pro	Trp	Ser	Leu	Arg	Cys	Glu	Ser
				35					40					45
Phe	Cys	Arg	Ser	Arg	Val	Thr	Ala	Cys	Leu	Pro	Ala	Pro	Ala	Pro
				50					55					60
Trp	Leu	Arg	Pro	Phe	Leu	Cys	Pro	Met	Leu	Phe	Ser	Asp	Arg	Asn
				65					70					75
Pro	Val	Glu	Cys	His	Leu	Phe	Gly	Glu	Ala	Val	Ser	Asp	Pro	Val
				80					85					90
Cys	Lys	Gly	Leu	Leu	Pro	His	Tyr	Phe	Trp	His	Pro	Thr	Phe	Phe
				95					100					105
Pro	Val	Lys	Ala	Asn	Cys	Leu	Val	Ser	Phe	Cys	Pro	Thr	Thr	Val
				110					115					120

<210> 106
 <211> 135
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte Clone No: 2650265

<400> 106														
Met	Ala	Arg	Phe	Trp	Val	Cys	Val	Ala	Gly	Ala	Gly	Phe	Phe	Leu
1				5					10					15
Ala	Phe	Leu	Val	Leu	His	Ser	Arg	Phe	Cys	Gly	Ser	Pro	Val	Leu
				20					25					30
Arg	Asn	Phe	Thr	Phe	Ala	Val	Ser	Trp	Arg	Thr	Glu	Lys	Ile	Leu
				35					40					45
Tyr	Arg	Leu	Asp	Val	Gly	Trp	Pro	Lys	His	Pro	Glu	Tyr	Phe	Thr
				50					55					60
Gly	Thr	Thr	Phe	Cys	Val	Ala	Val	Asp	Ser	Leu	Asn	Gly	Leu	Val
				65					70					75
Tyr	Ile	Gly	Gln	Arg	Gly	Asp	Asn	Ile	Pro	Lys	Ile	Leu	Val	Phe

80	85	90
Thr Glu Asp Gly Tyr Phe Leu Arg Ala Trp Asn Tyr Thr Val Asp		
95	100	105
Thr Pro His Gly Ile Phe Ala Ala Ser Thr Leu Tyr Glu Gln Ser		
110	115	120
Val Trp Ile Thr Asp Val Gly Ser Gly Met Tyr Ser Asn Ile Tyr		
125	130	135

<210> 107
 <211> 301
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2677129

<400> 107

Met Leu Met Ile Ile Ile Ile Glu Pro Phe Ser Val Leu Ile Leu		
1 5 10 15		
Phe Lys Ser Gly Ile Leu Ala Asp Phe Phe Ala Leu Leu Leu Leu		
20 25 30		
Ile Asn Phe Phe Leu Val Ser Phe Phe Leu Ala Tyr Pro Leu Phe		
35 40 45		
Asn Asn Gln Ile Asn Ser Arg Ser Met Asn Glu Ile Lys Asn Leu		
50 55 60		
Gln Tyr Leu Pro Arg Thr Ser Glu Pro Arg Glu Val Leu Phe Glu		
65 70 75		
Asp Arg Thr Arg Ala His Ala Asp His Val Gly Gln Gly Phe Asp		
80 85 90		
Trp Gln Ser Thr Ala Ala Val Gly Val Leu Lys Ala Val Gln Phe		
95 100 105		
Gly Glu Trp Ser Asp Gln Pro Arg Ile Thr Lys Asp Val Ile Cys		
110 115 120		
Phe His Ala Glu Asp Phe Thr Asp Val Val Gln Arg Leu Gln Leu		
125 130 135		
Asp Leu His Glu Pro Pro Val Ser Gln Cys Val Gln Trp Val Asp		
140 145 150		
Glu Ala Lys Leu Asn Gln Met Arg Arg Glu Gly Ile Arg Tyr Ala		
155 160 165		
Arg Ile Gln Leu Cys Asp Asn Asp Ile Tyr Phe Ile Pro Arg Asn		
170 175 180		
Val Ile His Gln Phe Lys Thr Val Ser Ala Val Cys Ser Leu Ala		
185 190 195		
Trp His Ile Arg Leu Lys Gln Tyr His Pro Val Val Glu Ala Thr		
200 205 210		
Gln Asn Thr Glu Ser Asn Ser Asn Met Asp Cys Gly Leu Thr Gly		
215 220 225		
Lys Arg Glu Leu Glu Val Asp Ser Gln Cys Val Arg Ile Lys Thr		
230 235 240		
Glu Ser Glu Glu Ala Cys Thr Glu Ile Gln Leu Leu Thr Thr Ala		
245 250 255		
Ser Ser Ser Phe Pro Pro Ala Ser Glu Leu Asn Leu Gln Gln Asp		
260 265 270		
Gln Lys Thr Gln Pro Ile Pro Val Leu Lys Val Glu Ser Arg Leu		
275 280 285		
Asp Ser Asp Gln Gln His Asn Leu Gln Glu His Ser Thr Thr Ser		
290 295 300		

Val

<210> 108
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3151073

<400> 108
 Met Ser Phe Val Pro Gly Leu Leu Leu Cys Phe Val Leu Leu Leu
 1 5 10 15
 Cys Val Ser Pro Val Tyr Leu Pro Ser Arg Ser Pro Ser Thr Phe
 20 25 30
 Pro Ile Ser Glu Pro Leu Ser Phe Ile Gly Met Ser Ala Trp Pro
 35 40 45
 Gln Cys Ser Pro Ile Tyr Ser Gln Thr Pro Gly Leu Ala Tyr Glu
 50 55 60
 Pro Ser Ser Phe Pro Lys Arg Arg Tyr Trp Val Cys Thr Leu His
 65 70 75
 Glu Ile Lys Trp Glu Cys Pro Arg Ser Arg Arg Thr Ser Asp Ala
 80 85 90
 Val His Ala Asn Lys Leu Gly Leu Pro Leu Lys Ile Ile
 95 100

<210> 109
 <211> 95
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte Clone No: 3170095

<400> 109
 Met Lys Phe Leu Leu Leu Val Leu Ala Ala Leu Gly Phe Leu Thr
 1 5 10 15
 Gln Val Ile Pro Ala Ser Ala Gly Gly Ser Lys Cys Val Ser Asn
 20 25 30
 Thr Pro Gly Tyr Cys Arg Thr Cys Cys His Trp Gly Glu Thr Ala
 35 40 45
 Leu Phe Met Cys Asn Ala Ser Arg Lys Cys Cys Ile Ser Tyr Ser
 50 55 60
 Phe Leu Pro Lys Pro Asp Leu Pro Gln Leu Ile Gly Asn His Trp
 65 70 75
 Gln Ser Arg Arg Arg Asn Thr Gln Arg Lys Asp Lys Lys Gln Gln
 80 85 90
 Thr Thr Val Thr Ser
 95

<210> 110
 <211> 113
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3475168

<400> 110

Met	Ser	Pro	Ser	Pro	Arg	Trp	Gly	Phe	Leu	Cys	Val	Leu	Phe	Thr	
1				5					10					15	
Ala	Val	His	Pro	Ala	Pro	Ser	Thr	Ala	Pro	Val	Gln	Asp	Lys	Cys	
				20					25					30	
Pro	Val	Asn	Thr	Trp	Glu	Ala	Met	Gln	Ala	Ser	Ser	Gln	Gln	Leu	
				35					40					45	
Leu	Gln	Thr	Asp	Pro	Arg	Pro	Lys	Pro	Phe	Leu	Leu	Pro	Pro	Leu	
				50					55					60	
Pro	Pro	Leu	Leu	Leu	Ile	Ser	Ala	Gly	Thr	Glu	Val	Ser	Ser	Leu	
				65					70					75	
Val	Phe	Gln	Lys	Ser	Pro	Leu	His	Thr	Gln	Pro	Glu	Gly	Ala	Ile	
				80					85					90	
Lys	Thr	Ala	Gly	Gln	Pro	Thr	Ser	Val	His	Ser	Lys	Val	Leu	Ser	
				95					100					105	
Lys	Gly	Ser	Leu	Leu	Leu	Gly	Glu								
				110											

<210> 111

<211> 234

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3836893

<400> 111

Met	Arg	Lys	Thr	Arg	Leu	Trp	Gly	Leu	Leu	Trp	Met	Leu	Phe	Val	
1				5					10					15	
Ser	Glu	Leu	Arg	Ala	Ala	Thr	Lys	Leu	Thr	Glu	Glu	Lys	Tyr	Glu	
				20					25					30	
Leu	Lys	Glu	Gly	Gln	Thr	Leu	Asp	Val	Lys	Cys	Asp	Tyr	Thr	Leu	
				35					40					45	
Glu	Lys	Phe	Ala	Ser	Ser	Gln	Lys	Ala	Trp	Gln	Ile	Ile	Arg	Asp	
				50					55					60	
Gly	Glu	Met	Pro	Lys	Thr	Leu	Ala	Cys	Thr	Glu	Arg	Pro	Ser	Lys	
				65					70					75	
Asn	Ser	His	Pro	Val	Gln	Val	Gly	Arg	Ile	Ile	Leu	Glu	Asp	Tyr	
				80					85					90	
His	Asp	His	Gly	Leu	Leu	Arg	Val	Arg	Met	Val	Asn	Leu	Gln	Val	
				95					100					105	
Glu	Asp	Ser	Gly	Leu	Tyr	Gln	Cys	Val	Ile	Tyr	Gln	Pro	Pro	Lys	
				110					115					120	
Glu	Pro	His	Met	Leu	Phe	Asp	Arg	Ile	Arg	Leu	Val	Val	Thr	Lys	
				125					130					135	
Gly	Phe	Ser	Gly	Thr	Pro	Gly	Ser	Asn	Glu	Asn	Ser	Thr	Gln	Asn	
				140					145					150	
Val	Tyr	Lys	Ile	Pro	Pro	Thr	Thr	Thr	Lys	Ala	Leu	Cys	Pro	Leu	
				155					160					165	
Tyr	Thr	Ser	Pro	Arg	Thr	Val	Thr	Gln	Ala	Pro	Pro	Lys	Ser	Thr	
				170					175					180	
Ala	Asp	Val	Ser	Thr	Pro	Asp	Ser	Glu	Ile	Asn	Leu	Thr	Asn	Val	
				185					190					195	
Thr	Asp	Ile	Ile	Arg	Val	Pro	Val	Phe	Asn	Ile	Val	Ile	Leu	Leu	
				200					205					210	
Ala	Gly	Gly	Phe	Leu	Ser	Lys	Ser	Leu	Val	Phe	Ser	Val	Leu	Phe	
				215					220					225	
Ala	Val	Thr	Leu	Arg	Ser	Phe	Val	Pro							
				230											

<210> 112
 <211> 119
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 4072159

<400> 112
 Met Val Leu Pro Leu Pro Trp Leu Ser Arg Tyr His Phe Leu Arg
 1 5 10 15
 Leu Leu Leu Pro Ser Trp Ser Leu Ala Pro Gln Gly Ser His Gly
 20 25 30
 Cys Cys Ser Gln Asn Pro Lys Ala Ser Met Glu Glu Gln Thr Asn
 35 40 45
 Ser Arg Gly Asn Gly Lys Met Thr Ser Pro Pro Arg Gly Pro Gly
 50 55 60
 Thr His Arg Thr Ala Glu Leu Ala Arg Ala Glu Glu Leu Leu Glu
 65 70 75
 Gln Gln Leu Glu Leu Tyr Gln Ala Leu Leu Glu Gly Gln Glu Gly
 80 85 90
 Ala Trp Glu Ala Gln Ala Leu Val Leu Lys Ile Gln Lys Leu Lys
 95 100 105
 Glu Gln Met Arg Arg His Gln Glu Ser Leu Gly Gly Gly Ala
 110 115

<210> 113
 <211> 200
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1003916

<400> 113
 Met Ala Ser Ser Leu Thr Cys Thr Gly Val Ile Trp Ala Leu Leu
 1 5 10 15
 Ser Phe Leu Cys Ala Ala Thr Ser Cys Val Gly Phe Phe Met Pro
 20 25 30
 Tyr Trp Leu Trp Gly Ser Gln Leu Gly Lys Pro Val Ser Phe Gly
 35 40 45
 Thr Phe Arg Arg Cys Ser Tyr Pro Val His Asp Glu Ser Arg Gln
 50 55 60
 Met Met Val Met Val Glu Glu Cys Gly Arg Tyr Ala Ser Phe Gln
 65 70 75
 Gly Ile Pro Ser Ala Glu Trp Arg Ile Cys Thr Ile Val Thr Gly
 80 85 90
 Leu Gly Cys Gly Leu Leu Leu Leu Val Ala Leu Thr Ala Leu Met
 95 100 105
 Gly Cys Cys Val Ser Asp Leu Ile Ser Arg Thr Val Gly Arg Val
 110 115 120
 Ala Gly Gly Ile Gln Phe Leu Gly Gly Leu Leu Ile Gly Ala Gly
 125 130 135
 Cys Ala Leu Tyr Pro Leu Gly Trp Asp Ser Glu Glu Val Arg Gln
 140 145 150
 Thr Cys Gly Tyr Thr Ser Gly Gln Phe Asp Leu Gly Lys Cys Glu
 155 160 165
 Ile Gly Trp Ala Tyr Tyr Cys Thr Gly Ala Gly Ala Thr Ala Ala
 170 175 180

PF-0541 PCT

Met Leu Leu Cys Thr Trp Leu Ala Cys Phe Ser Gly Lys Lys Gln
185 190 195
Lys His Tyr Pro Tyr
200

<210> 114
<211> 225
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2093492

<400> 114
Met Gly Phe Arg Leu Glu Gly Ile Phe Pro Ala Ala Leu Leu Pro
1 5 10 15
Leu Leu Leu Thr Met Ile Leu Phe Leu Gly Pro Leu Met Gln Leu
20 25 30
Ser Met Asp Cys Pro Cys Asp Leu Ala Asp Gly Leu Lys Val Val
35 40 45
Leu Ala Pro Arg Ser Trp Ala Arg Cys Leu Thr Asp Met Arg Trp
50 55 60
Leu Arg Asn Gln Val Ile Ala Pro Leu Thr Glu Glu Leu Val Phe
65 70 75
Arg Ala Cys Met Leu Pro Met Leu Ala Pro Cys Met Gly Leu Gly
80 85 90
Pro Ala Val Phe Thr Cys Pro Leu Phe Phe Gly Val Ala His Phe
95 100 105
His His Ile Ile Glu Gln Leu Arg Phe Arg Gln Ser Ser Val Gly
110 115 120
Asn Ile Phe Leu Ser Ala Ala Phe Gln Phe Ser Tyr Thr Ala Val
125 130 135
Phe Gly Ala Tyr Thr Ala Phe Leu Phe Ile Arg Thr Gly His Leu
140 145 150
Ile Gly Pro Val Leu Cys His Ser Phe Cys Asn Tyr Met Gly Phe
155 160 165
Pro Ala Val Cys Ala Ala Leu Glu His Pro Gln Arg Arg Pro Leu
170 175 180
Leu Ala Gly Tyr Ala Leu Gly Val Gly Leu Phe Leu Leu Leu Leu
185 190 195
Gln Pro Leu Thr Asp Pro Lys Leu Tyr Gly Ser Leu Pro Leu Cys
200 205 210
Val Leu Leu Glu Arg Ala Gly Asp Ser Glu Ala Pro Leu Cys Ser
215 220 225

<210> 115
<211> 155
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2108789

<400> 115
Met Ser Gly Leu Leu Ile Pro Pro Leu Pro Gly Trp Val Leu Gly
1 5 10 15
Pro Leu Met Trp Ala Cys Arg Pro Pro Gln Asp Glu Pro Ser Gly

				20					25					30
Thr	Asp	Pro	Pro	Pro	Pro	Arg	Leu	Gln	Pro	His	His	Val	Ser	Gly
				35					40					45
Leu	Gly	Leu	Gly	Gln	Ala	Trp	Ala	Gln	Ser	Trp	Ala	Pro	Arg	Gly
				50					55					60
Ser	Pro	Pro	Leu	Thr	Trp	Leu	Leu	Pro	Thr	Leu	Pro	Leu	Lys	Asp
				65					70					75
Gly	Pro	Ala	Ala	Arg	Leu	Pro	Pro	Pro	Pro	His	Thr	Thr	Leu	Gly
				80					85					90
Gly	Leu	Ser	His	Pro	Pro	Gln	Pro	Arg	Ser	Ala	Gln	Thr	Asp	Pro
				95					100					105
His	Ser	Ile	Pro	Arg	Pro	Ala	Ala	Gln	Val	Arg	Gly	Pro	Val	Leu
				110					115					120
Pro	Gly	Ala	Trp	Ala	Thr	Pro	Tyr	Ala	Ile	Ser	Ser	Glu	Gln	Pro
				125					130					135
Gly	Pro	Thr	Asp	Pro	His	Ala	Leu	Ser	Tyr	Val	Pro	Phe	Ser	Pro
				140					145					150
Asp	Phe	Phe	Cys	Thr										
				155										

<210> 116
 <211> 468
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2171401

Met	Gly	Arg	Gly	Trp	Gly	Phe	Leu	Phe	Gly	Leu	Leu	Gly	Ala	Val
1				5					10					15
Trp	Leu	Leu	Ser	Ser	Gly	His	Gly	Glu	Glu	Gln	Pro	Pro	Glu	Thr
				20					25					30
Ala	Ala	Gln	Arg	Cys	Phe	Cys	Gln	Val	Ser	Gly	Tyr	Leu	Asp	Asp
				35					40					45
Cys	Thr	Cys	Asp	Val	Glu	Thr	Ile	Asp	Arg	Phe	Asn	Asn	Tyr	Arg
				50					55					60
Leu	Phe	Pro	Arg	Leu	Gln	Lys	Leu	Leu	Glu	Ser	Asp	Tyr	Phe	Arg
				65					70					75
Tyr	Tyr	Lys	Val	Asn	Leu	Lys	Arg	Pro	Cys	Pro	Phe	Trp	Asn	Asp
				80					85					90
Ile	Ser	Gln	Cys	Gly	Arg	Arg	Asp	Cys	Ala	Val	Lys	Pro	Cys	Gln
				95					100					105
Ser	Asp	Glu	Val	Pro	Asp	Gly	Ile	Lys	Ser	Ala	Ser	Tyr	Lys	Tyr
				110					115					120
Ser	Glu	Glu	Ala	Asn	Asn	Leu	Ile	Glu	Glu	Cys	Glu	Gln	Ala	Glu
				125					130					135
Arg	Leu	Gly	Ala	Val	Asp	Glu	Ser	Leu	Ser	Glu	Glu	Thr	Gln	Lys
				140					145					150
Ala	Val	Leu	Gln	Trp	Thr	Lys	His	Asp	Asp	Ser	Ser	Asp	Asn	Phe
				155					160					165
Cys	Glu	Ala	Asp	Asp	Ile	Gln	Ser	Pro	Glu	Ala	Glu	Tyr	Val	Asp
				170					175					180
Leu	Leu	Leu	Asn	Pro	Glu	Arg	Tyr	Thr	Gly	Tyr	Lys	Gly	Pro	Asp
				185					190					195
Ala	Trp	Lys	Ile	Trp	Asn	Val	Ile	Tyr	Glu	Glu	Asn	Cys	Phe	Lys
				200					205					210
Pro	Gln	Thr	Ile	Lys	Arg	Pro	Leu	Asn	Pro	Leu	Ala	Ser	Gly	Gln
				215					220					225
Gly	Thr	Ser	Glu	Glu	Asn	Thr	Phe	Tyr	Ser	Trp	Leu	Glu	Gly	Leu
				230					235					240

Cys	Val	Glu	Lys	Arg	Ala	Phe	Tyr	Arg	Leu	Ile	Ser	Gly	Leu	His
				245					250					255
Ala	Ser	Ile	Asn	Val	His	Leu	Ser	Ala	Arg	Tyr	Leu	Leu	Gln	Glu
				260					265					270
Thr	Trp	Leu	Glu	Lys	Lys	Trp	Gly	His	Asn	Ile	Thr	Glu	Phe	Gln
				275					280					285
Gln	Arg	Phe	Asp	Gly	Ile	Leu	Thr	Glu	Gly	Glu	Gly	Pro	Arg	Arg
				290					295					300
Leu	Lys	Asn	Leu	Tyr	Phe	Leu	Tyr	Leu	Ile	Glu	Leu	Arg	Ala	Leu
				305					310					315
Ser	Lys	Val	Leu	Pro	Phe	Phe	Glu	Arg	Pro	Asp	Phe	Gln	Leu	Phe
				320					325					330
Thr	Gly	Asn	Lys	Ile	Gln	Asp	Glu	Glu	Asn	Lys	Met	Leu	Leu	Leu
				335					340					345
Glu	Ile	Leu	His	Glu	Ile	Lys	Ser	Phe	Pro	Leu	His	Phe	Asp	Glu
				350					355					360
Asn	Ser	Phe	Phe	Ala	Gly	Asp	Lys	Lys	Glu	Ala	His	Lys	Leu	Lys
				365					370					375
Glu	Asp	Phe	Arg	Leu	His	Phe	Arg	Asn	Ile	Ser	Arg	Ile	Met	Asp
				380					385					390
Cys	Val	Gly	Cys	Phe	Lys	Cys	Arg	Leu	Trp	Gly	Lys	Leu	Gln	Thr
				395					400					405
Gln	Gly	Leu	Gly	Thr	Ala	Leu	Lys	Ile	Leu	Phe	Ser	Glu	Lys	Leu
				410					415					420
Ile	Ala	Asn	Met	Pro	Glu	Ser	Gly	Pro	Ser	Tyr	Glu	Phe	His	Leu
				425					430					435
Thr	Arg	Gln	Glu	Ile	Val	Ser	Leu	Phe	Asn	Ala	Phe	Gly	Arg	Ile
				440					445					450
Ser	Thr	Ser	Val	Lys	Glu	Leu	Glu	Asn	Phe	Arg	Asn	Leu	Leu	Gln
				455					460					465
Asn	Ile	His												

<210> 117

<211> 403

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2212530

<400> 117

Met	Ser	Thr	Ser	Thr	Ser	Pro	Ala	Ala	Met	Leu	Leu	Arg	Arg	Leu
1				5					10					15
Arg	Arg	Leu	Ser	Trp	Gly	Ser	Thr	Ala	Val	Gln	Leu	Phe	Ile	Leu
				20					25					30
Thr	Val	Val	Thr	Phe	Gly	Leu	Leu	Ala	Pro	Leu	Ala	Cys	His	Arg
				35					40					45
Leu	Leu	His	Ser	Tyr	Phe	Tyr	Leu	Arg	His	Trp	His	Leu	Asn	Gln
				50					55					60
Met	Ser	Gln	Glu	Phe	Leu	Gln	Gln	Ser	Leu	Lys	Glu	Gly	Glu	Ala
				65					70					75
Ala	Leu	His	Tyr	Phe	Glu	Glu	Leu	Pro	Ser	Ala	Asn	Gly	Ser	Val
				80					85					90
Pro	Ile	Val	Trp	Gln	Ala	Thr	Pro	Arg	Pro	Trp	Leu	Val	Ile	Thr
				95					100					105
Ile	Ile	Thr	Val	Asp	Arg	Gln	Pro	Gly	Phe	His	Tyr	Val	Leu	Gln
				110					115					120
Val	Val	Ser	Gln	Phe	His	Arg	Leu	Leu	Gln	Gln	Cys	Gly	Pro	Gln
				125					130					135
Cys	Glu	Gly	His	Gln	Leu	Phe	Leu	Cys	Asn	Val	Glu	Arg	Ser	Val
				140					145					150

Ser	His	Phe	Asp	Ala	Lys	Leu	Leu	Ser	Lys	Tyr	Val	Pro	Val	Ala	
				155					160					165	
Asn	Arg	Tyr	Glu	Gly	Thr	Glu	Asp	Asp	Tyr	Gly	Asp	Asp	Pro	Ser	
				170					175					180	
Thr	Asn	Ser	Phe	Glu	Lys	Glu	Lys	Gln	Asp	Tyr	Val	Tyr	Cys	Leu	
				185					190					195	
Glu	Ser	Ser	Leu	Gln	Thr	Tyr	Asn	Pro	Asp	Tyr	Val	Leu	Met	Val	
				200					205					210	
Glu	Asp	Asp	Ala	Val	Pro	Glu	Glu	Gln	Ile	Phe	Pro	Val	Leu	Glu	
				215					220					225	
His	Leu	Leu	Arg	Ala	Arg	Phe	Ser	Glu	Pro	His	Leu	Arg	Asp	Ala	
				230					235					240	
Leu	Tyr	Leu	Lys	Leu	Tyr	His	Pro	Glu	Arg	Leu	Gln	His	Tyr	Ile	
				245					250					255	
Asn	Pro	Glu	Pro	Met	Arg	Ile	Leu	Glu	Trp	Val	Gly	Val	Gly	Met	
				260					265					270	
Leu	Leu	Gly	Pro	Leu	Leu	Thr	Trp	Ile	Tyr	Met	Arg	Phe	Ala	Ser	
				275					280					285	
Arg	Pro	Gly	Phe	Ser	Trp	Pro	Val	Met	Leu	Phe	Phe	Ser	Leu	Tyr	
				290					295					300	
Ser	Met	Gly	Leu	Val	Glu	Leu	Val	Gly	Arg	His	Tyr	Phe	Leu	Glu	
				305					310					315	
Leu	Arg	Arg	Leu	Ser	Pro	Ser	Leu	Tyr	Ser	Val	Val	Pro	Ala	Ser	
				320					325					330	
Gln	Cys	Cys	Thr	Pro	Ala	Met	Leu	Phe	Pro	Ala	Pro	Ala	Ala	Arg	
				335					340					345	
Arg	Thr	Leu	Thr	Tyr	Leu	Ser	Gln	Val	Tyr	Cys	His	Lys	Gly	Phe	
				350					355					360	
Gly	Lys	Asp	Met	Ala	Leu	Tyr	Ser	Leu	Leu	Arg	Ala	Lys	Gly	Glu	
				365					370					375	
Arg	Ala	Tyr	Val	Val	Glu	Pro	Asn	Leu	Val	Lys	His	Ile	Gly	Leu	
				380					385					390	
Phe	Ser	Ser	Leu	Arg	Tyr	Asn	Phe	His	Pro	Ser	Leu	Leu			
				395					400						

<210> 118
 <211> 131
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte Clone No: 2253036

<400> 118														
Met	Glu	Arg	Cys	Phe	His	Cys	Phe	Pro	Val	His	Leu	Val	Phe	Asn
1				5					10					15
Leu	Val	Gln	Ser	Phe	Ser	Pro	Ile	Ser	Gly	Val	Glu	Ser	Cys	Leu
				20					25					30
Leu	Pro	Gln	Cys	Asp	Lys	Cys	Trp	Pro	Met	Val	Tyr	Arg	Ser	Cys
				35					40					45
Asp	Ala	Ser	Arg	Gly	Leu	Val	Asn	Ala	Cys	Ile	Leu	Gly	Phe	Val
				50					55					60
Leu	Leu	Glu	Cys	Ser	Phe	Val	Gly	Ala	Leu	Asn	Asn	Tyr	Val	Arg
				65					70					75
Ser	Leu	Ala	Thr	Leu	Leu	Glu	Arg	Thr	His	Gly	Gly	Lys	Arg	Leu
				80					85					90
Lys	Leu	Cys	Glu	Glu	Ser	Gln	Ala	Ser	His	Pro	Ser	Phe	Ser	Ala
				95					100					105
Glu	Pro	Arg	His	Gln	Pro	Thr	Cys	Gln	Leu	Asn	Ala	Thr	Val	Arg
				110					115					120
Val	Ile	Thr	Ser	Lys	Ile	Thr	Arg	Lys	Thr	Thr				
				125					130					

<210> 119
 <211> 556
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2280161

<400> 119
 Met Ala Ala Ala Trp Leu Gln Val Leu Pro Val Ile Leu Leu
 1 5 10 15
 Leu Leu Gly Ala His Pro Ser Pro Leu Ser Phe Phe Ser Ala Gly
 20 25 30
 Pro Ala Thr Val Ala Ala Ala Asp Arg Ser Lys Trp His Ile Pro
 35 40 45
 Ile Pro Ser Gly Lys Asn Tyr Phe Ser Phe Gly Lys Ile Leu Phe
 50 55 60
 Arg Asn Thr Thr Ile Phe Leu Lys Phe Asp Gly Glu Pro Cys Asp
 65 70 75
 Leu Ser Leu Asn Ile Thr Trp Tyr Leu Lys Ser Ala Asp Cys Tyr
 80 85 90
 Asn Glu Ile Tyr Asn Phe Lys Ala Glu Glu Val Glu Leu Tyr Leu
 95 100 105
 Glu Lys Leu Lys Glu Lys Arg Gly Leu Ser Gly Lys Tyr Gln Thr
 110 115 120
 Ser Ser Lys Leu Phe Gln Asn Cys Ser Glu Leu Phe Lys Thr Gln
 125 130 135
 Thr Phe Ser Gly Asp Phe Met His Arg Leu Pro Leu Leu Gly Glu
 140 145 150
 Lys Gln Glu Ala Lys Glu Asn Gly Thr Asn Leu Thr Phe Ile Gly
 155 160 165
 Asp Lys Thr Ala Met His Glu Pro Leu Gln Thr Trp Gln Asp Ala
 170 175 180
 Pro Tyr Ile Phe Ile Val His Ile Gly Ile Ser Ser Ser Lys Glu
 185 190 195
 Ser Ser Lys Glu Asn Ser Leu Ser Asn Leu Phe Thr Met Thr Val
 200 205 210
 Glu Val Lys Gly Pro Tyr Glu Tyr Leu Thr Leu Glu Asp Tyr Pro
 215 220 225
 Leu Met Ile Phe Phe Met Val Met Cys Ile Val Tyr Val Leu Phe
 230 235 240
 Gly Val Leu Trp Leu Ala Trp Ser Ala Cys Tyr Trp Arg Asp Leu
 245 250 255
 Leu Arg Ile Gln Phe Trp Ile Gly Ala Val Ile Phe Leu Gly Met
 260 265 270
 Leu Glu Lys Ala Val Phe Tyr Ala Glu Phe Gln Asn Ile Arg Tyr
 275 280 285
 Lys Gly Glu Ser Val Gln Gly Ala Leu Ile Leu Ala Glu Leu Leu
 290 295 300
 Ser Ala Val Lys Arg Ser Leu Ala Arg Thr Leu Val Ile Ile Val
 305 310 315
 Ser Leu Gly Tyr Gly Ile Val Lys Pro Arg Leu Gly Val Thr Leu
 320 325 330
 His Lys Val Val Val Ala Gly Ala Leu Tyr Leu Leu Phe Ser Gly
 335 340 345
 Met Glu Gly Val Leu Arg Val Thr Gly Tyr Phe Ser Tyr Pro Leu
 350 355 360
 Thr Leu Ile Val Asn Leu Ala Leu Ser Ala Val Asp Ala Cys Val
 365 370 375
 Ile Leu Trp Ile Phe Ile Ser Leu Thr Gln Thr Met Lys Leu Leu

	380		385		390
Lys Leu Arg Arg	Asn Ile Val Lys Leu	Ser Leu Tyr Arg His	Phe		
	395		400		405
Thr Asn Thr Leu	Ile Leu Ala Val Ala	Ser Ile Val Phe	Ile		
	410		415		420
Ile Trp Thr Thr	Met Lys Phe Arg Ile	Val Thr Cys Gln Ser	Asp		
	425		430		435
Trp Arg Glu Leu	Trp Val Asp Asp Ala	Ile Trp Arg Leu Leu	Phe		
	440		445		450
Ser Met Ile Leu	Phe Val Ile Met Val	Leu Trp Arg Pro Ser	Ala		
	455		460		465
Asn Asn Gln Arg	Phe Ala Phe Ser Pro	Leu Ser Glu Glu Glu	Glu		
	470		475		480
Glu Asp Glu Gln	Lys Glu Pro Met Leu	Lys Glu Ser Phe Glu	Gly		
	485		490		495
Met Lys Met Arg	Ser Thr Lys Gln Glu	Pro Asn Gly Asn Ser	Lys		
	500		505		510
Val Asn Lys Ala	Gln Glu Asp Asp Leu	Lys Trp Val Glu Glu	Asn		
	515		520		525
Val Pro Ser Ser	Val Thr Asp Val Ala	Leu Pro Ala Leu Leu	Asp		
	530		535		540
Ser Asp Glu Glu	Arg Met Ile Thr His	Phe Glu Arg Ser Lys	Met		
	545		550		555
Glu					

<210> 120
 <211> 514
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2287485

<400> 120	
Met Ser Trp Pro Arg Arg Leu Leu Leu Arg Tyr Leu Phe Pro Ala	
1 5 10 15	
Leu Leu Leu His Gly Leu Gly Glu Gly Ser Ala Leu Leu His Pro	
20 25 30	
Asp Ser Arg Ser His Pro Arg Ser Leu Glu Lys Ser Ala Trp Arg	
35 40 45	
Ala Phe Lys Glu Ser Gln Cys His His Met Leu Lys His Leu His	
50 55 60	
Asn Gly Ala Arg Ile Thr Val Gln Met Pro Pro Thr Ile Glu Gly	
65 70 75	
His Trp Val Ser Thr Gly Cys Glu Val Arg Ser Gly Pro Glu Phe	
80 85 90	
Ile Thr Arg Ser Tyr Arg Phe Tyr His Asn Thr Phe Lys Ala	
95 100 105	
Tyr Gln Phe Tyr Tyr Gly Ser Asn Arg Cys Thr Asn Pro Thr Tyr	
110 115 120	
Thr Leu Ile Ile Arg Gly Lys Ile Arg Leu Arg Gln Ala Ser Trp	
125 130 135	
Ile Ile Arg Gly Gly Thr Glu Ala Asp Tyr Gln Leu His Asn Val	
140 145 150	
Gln Val Ile Cys His Thr Glu Ala Val Ala Glu Lys Leu Gly Gln	
155 160 165	
Gln Val Asn Arg Thr Cys Pro Gly Phe Leu Ala Asp Gly Gly Pro	
170 175 180	
Trp Val Gln Asp Val Ala Tyr Asp Leu Trp Arg Glu Glu Asn Gly	
185 190 195	
Cys Glu Cys Thr Lys Ala Val Asn Phe Ala Met His Glu Leu Gln	
200 205 210	

Leu	Ile	Arg	Val	Glu	Lys	Gln	Tyr	Leu	His	His	Asn	Leu	Asp	His
				215					220					225
Leu	Val	Glu	Glu	Leu	Phe	Leu	Gly	Asp	Ile	His	Thr	Asp	Ala	Thr
				230					235					240
Gln	Arg	Met	Phe	Tyr	Arg	Pro	Ser	Ser	Tyr	Gln	Pro	Pro	Leu	Gln
				245					250					255
Asn	Ala	Lys	Asn	His	Asp	His	Ala	Cys	Ile	Ala	Cys	Arg	Ile	Ile
				260					265					270
Tyr	Arg	Ser	Asp	Glu	His	His	Pro	Pro	Ile	Leu	Pro	Pro	Lys	Ala
				275					280					285
Asp	Leu	Thr	Ile	Gly	Leu	His	Gly	Glu	Trp	Val	Ser	Gln	Arg	Cys
				290					295					300
Glu	Val	Arg	Pro	Glu	Val	Leu	Phe	Leu	Thr	Arg	His	Phe	Ile	Phe
				305					310					315
His	Asp	Asn	Asn	Asn	Thr	Trp	Glu	Gly	His	Tyr	Tyr	His	Tyr	Ser
				320					325					330
Asp	Pro	Val	Cys	Lys	His	Pro	Thr	Phe	Ser	Ile	Tyr	Ala	Arg	Gly
				335					340					345
Arg	Tyr	Ser	Arg	Gly	Val	Leu	Ser	Ser	Arg	Val	Met	Gly	Gly	Thr
				350					355					360
Glu	Phe	Val	Phe	Lys	Val	Asn	His	Met	Lys	Val	Thr	Pro	Met	Asp
				365					370					375
Ala	Ala	Thr	Ala	Ser	Leu	Leu	Asn	Val	Phe	Asn	Gly	Asn	Glu	Cys
				380					385					390
Gly	Ala	Glu	Gly	Ser	Trp	Gln	Val	Gly	Ile	Gln	Gln	Asp	Val	Thr
				395					400					405
His	Thr	Asn	Gly	Cys	Val	Ala	Leu	Gly	Ile	Lys	Leu	Pro	His	Thr
				410					415					420
Glu	Tyr	Glu	Ile	Phe	Lys	Met	Glu	Gln	Asp	Ala	Arg	Gly	Arg	Tyr
				425					430					435
Leu	Leu	Phe	Asn	Gly	Gln	Arg	Pro	Ser	Asp	Gly	Ser	Ser	Pro	Asp
				440					445					450
Arg	Pro	Glu	Lys	Arg	Ala	Thr	Ser	Tyr	Gln	Met	Pro	Leu	Val	Gln
				455					460					465
Cys	Ala	Ser	Ser	Ser	Pro	Arg	Ala	Glu	Asp	Leu	Ala	Glu	Asp	Ser
				470					475					480
Gly	Ser	Ser	Leu	Tyr	Gly	Arg	Ala	Pro	Gly	Arg	His	Thr	Trp	Ser
				485					490					495
Leu	Leu	Leu	Ala	Ala	Leu	Ala	Cys	Leu	Val	Pro	Leu	Leu	His	Trp
				500					505					510
Asn	Ile	Arg	Arg											

<210> 121
 <211> 109
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2380344

<400> 121														
Met	Leu	Trp	Trp	Leu	Val	Leu	Leu	Leu	Leu	Pro	Thr	Leu	Lys	Ser
1				5					10					15
Val	Phe	Cys	Ser	Leu	Val	Thr	Ser	Leu	Tyr	Leu	Pro	Asn	Thr	Glu
				20					25					30
Asp	Leu	Ser	Leu	Trp	Leu	Trp	Pro	Lys	Pro	Asp	Leu	His	Ser	Gly
				35					40					45
Thr	Arg	Thr	Glu	Val	Ser	Thr	His	Thr	Val	Pro	Ser	Lys	Pro	Gly
				50					55					60
Thr	Ala	Ser	Pro	Cys	Trp	Pro	Leu	Ala	Gly	Ala	Val	Pro	Ser	Pro
				65					70					75

Thr	Val	Ser	Arg	Leu	Glu	Ala	Leu	Thr	Arg	Ala	Val	Gln	Val	Ala	
				80					85					90	
Glu	Pro	Leu	Gly	Ser	Cys	Gly	Phe	Gln	Gly	Gly	Pro	Cys	Pro	Gly	
				95					100					105	
Arg	Arg	Arg	Asp												

<210> 122
 <211> 431
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2383171

<400> 122															
Met	Ser	Trp	Val	Gln	Ala	Thr	Leu	Leu	Ala	Arg	Gly	Leu	Cys	Arg	
1				5					10					15	
Ala	Trp	Gly	Gly	Thr	Cys	Gly	Ala	Ala	Leu	Thr	Gly	Thr	Ser	Ile	
				20					25					30	
Ser	Gln	Val	Pro	Arg	Arg	Leu	Pro	Arg	Gly	Leu	His	Cys	Ser	Ala	
				35					40					45	
Ala	Ala	His	Ser	Ser	Glu	Gln	Ser	Leu	Val	Pro	Ser	Pro	Pro	Glu	
				50					55					60	
Pro	Arg	Gln	Arg	Pro	Thr	Lys	Ala	Leu	Val	Pro	Phe	Glu	Asp	Leu	
				65					70					75	
Phe	Gly	Gln	Ala	Pro	Gly	Gly	Glu	Arg	Asp	Lys	Ala	Ser	Phe	Leu	
				80					85					90	
Gln	Thr	Val	Gln	Lys	Phe	Ala	Glu	His	Ser	Val	Arg	Lys	Arg	Gly	
				95					100					105	
His	Ile	Asp	Phe	Ile	Tyr	Leu	Ala	Leu	Arg	Lys	Met	Arg	Glu	Tyr	
				110					115					120	
Gly	Val	Glu	Arg	Asp	Leu	Ala	Val	Tyr	Asn	Gln	Leu	Leu	Asn	Ile	
				125					130					135	
Phe	Pro	Lys	Glu	Val	Phe	Arg	Pro	Arg	Asn	Ile	Ile	Gln	Arg	Ile	
				140					145					150	
Phe	Val	His	Tyr	Pro	Arg	Gln	Gln	Glu	Cys	Gly	Ile	Ala	Val	Leu	
				155					160					165	
Glu	Gln	Met	Glu	Asn	His	Gly	Val	Met	Pro	Asn	Lys	Glu	Thr	Glu	
				170					175					180	
Phe	Leu	Leu	Ile	Gln	Ile	Phe	Gly	Arg	Lys	Ser	Tyr	Pro	Met	Leu	
				185					190					195	
Lys	Leu	Val	Arg	Leu	Lys	Leu	Trp	Phe	Pro	Arg	Phe	Met	Asn	Val	
				200					205					210	
Asn	Pro	Phe	Pro	Val	Pro	Arg	Asp	Leu	Pro	Gln	Asp	Pro	Val	Glu	
				215					220					225	
Leu	Ala	Met	Phe	Gly	Leu	Arg	His	Met	Glu	Pro	Asp	Leu	Ser	Ala	
				230					235					240	
Arg	Val	Thr	Ile	Tyr	Gln	Val	Pro	Leu	Pro	Lys	Asp	Ser	Thr	Gly	
				245					250					255	
Ala	Ala	Asp	Pro	Pro	Gln	Pro	His	Ile	Val	Gly	Ile	Gln	Ser	Pro	
				260					265					270	
Asp	Gln	Gln	Ala	Ala	Leu	Ala	Arg	His	Asn	Pro	Ala	Arg	Pro	Val	
				275					280					285	
Phe	Val	Glu	Gly	Pro	Phe	Ser	Leu	Trp	Leu	Arg	Asn	Lys	Cys	Val	
				290					295					300	
Tyr	Tyr	His	Ile	Leu	Arg	Ala	Asp	Leu	Leu	Pro	Pro	Glu	Glu	Arg	
				305					310					315	
Glu	Val	Glu	Glu	Thr	Pro	Glu	Glu	Trp	Asn	Leu	Tyr	Tyr	Pro	Met	
				320					325					330	
Gln	Leu	Asp	Leu	Glu	Tyr	Val	Arg	Ser	Gly	Trp	Asp	Asn	Tyr	Glu	
				335					340					345	

Phe	Asp	Ile	Asn	Glu	Val	Glu	Glu	Gly	Pro	Val	Phe	Ala	Met	Cys
				350					355					360
Met	Ala	Gly	Ala	His	Asp	Gln	Ala	Thr	Met	Ala	Lys	Trp	Ile	Gln
				365					370					375
Gly	Leu	Gln	Glu	Thr	Asn	Pro	Thr	Leu	Ala	Gln	Ile	Pro	Val	Val
				380					385					390
Phe	Arg	Leu	Ala	Gly	Ser	Thr	Arg	Glu	Leu	Gln	Thr	Ser	Ser	Ala
				395					400					405
Gly	Leu	Glu	Glu	Pro	Pro	Leu	Pro	Glu	Asp	His	Gln	Glu	Glu	Asp
				410					415					420
Asp	Asn	Leu	Gln	Arg	Gln	Gln	Gln	Gly	Gln	Ser				
				425					430					

<210> 123
 <211> 142
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2396046

<400>	123													
Met	Leu	Leu	Gly	Val	Arg	Ala	Val	Pro	Leu	Cys	Ser	Ala	Trp	Gln
1				5					10					15
Gly	Ala	Val	Gly	Leu	Val	Ser	Leu	Ala	Ile	Ser	Ile	Cys	Lys	His
				20					25					30
Gly	Leu	Ser	Ser	Gln	Gln	Asn	Leu	Val	Pro	Gly	Lys	Ser	Asn	Val
				35					40					45
Pro	Lys	Ala	Ser	Asp	Met	Pro	Arg	Cys	Pro	Pro	Val	Phe	Gln	Ser
				50					55					60
Pro	Asn	Leu	Thr	Pro	Phe	Pro	His	His	Thr	Lys	His	Thr	Ser	Gln
				65					70					75
Gly	Ser	His	Leu	Gly	Val	Pro	Pro	Pro	Ala	Pro	Met	Pro	Trp	Cys
				80					85					90
Pro	Gln	Ala	Gln	Gly	Phe	Gly	Leu	Ser	Cys	Gln	Ser	Leu	Asp	Ala
				95					100					105
Phe	Glu	Gly	Gln	Leu	Gly	Cys	Gly	Trp	Gly	Val	Gln	Ala	Ala	Gly
				110					115					120
Glu	Pro	Arg	Leu	Arg	Ile	Ile	His	Thr	Leu	Leu	Phe	Gly	Ala	Phe
				125					130					135
Val	Glu	Val	Ser	Arg	Ile	Pro								
				140										

<210> 124
 <211> 643
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2456587

<400>	124													
Met	Glu	Cys	Cys	Arg	Arg	Ala	Thr	Pro	Gly	Thr	Leu	Leu	Leu	Phe
1				5					10					15
Leu	Ala	Phe	Leu	Leu	Leu	Ser	Ser	Arg	Thr	Ala	Arg	Ser	Glu	Glu
				20					25					30
Asp	Arg	Asp	Gly	Leu	Trp	Asp	Ala	Trp	Gly	Pro	Trp	Ser	Glu	Cys

				35					40					45
Ser	Arg	Thr	Cys	Gly	Gly	Gly	Ala	Ser	Tyr	Ser	Leu	Arg	Arg	Cys
				50					55					60
Leu	Ser	Ser	Lys	Ser	Cys	Glu	Gly	Arg	Asn	Ile	Arg	Tyr	Arg	Thr
				65					70					75
Cys	Ser	Asn	Val	Asp	Cys	Pro	Pro	Glu	Ala	Gly	Asp	Phe	Arg	Ala
				80					85					90
Gln	Gln	Cys	Ser	Ala	His	Asn	Asp	Val	Lys	His	His	Gly	Gln	Phe
				95					100					105
Tyr	Glu	Trp	Leu	Pro	Val	Ser	Asn	Asp	Pro	Asp	Asn	Pro	Cys	Ser
				110					115					120
Leu	Lys	Cys	Gln	Ala	Lys	Gly	Thr	Thr	Leu	Val	Val	Glu	Leu	Ala
				125					130					135
Pro	Lys	Val	Leu	Asp	Gly	Thr	Arg	Cys	Tyr	Thr	Glu	Ser	Leu	Asp
				140					145					150
Met	Cys	Ile	Ser	Gly	Leu	Cys	Gln	Ile	Val	Gly	Cys	Asp	His	Gln
				155					160					165
Leu	Gly	Ser	Thr	Val	Lys	Glu	Asp	Asn	Cys	Gly	Val	Cys	Asn	Gly
				170					175					180
Asp	Gly	Ser	Thr	Cys	Arg	Leu	Val	Arg	Gly	Gln	Tyr	Lys	Ser	Gln
				185					190					195
Leu	Ser	Ala	Thr	Lys	Ser	Asp	Asp	Thr	Val	Val	Ala	Ile	Pro	Tyr
				200					205					210
Gly	Ser	Arg	His	Ile	Arg	Leu	Val	Leu	Lys	Gly	Pro	Asp	His	Leu
				215					220					225
Tyr	Leu	Glu	Thr	Lys	Thr	Leu	Gln	Gly	Thr	Lys	Gly	Glu	Asn	Ser
				230					235					240
Leu	Ser	Ser	Thr	Gly	Thr	Phe	Leu	Val	Asp	Asn	Ser	Ser	Val	Asp
				245					250					255
Phe	Gln	Lys	Phe	Pro	Asp	Lys	Glu	Ile	Leu	Arg	Met	Ala	Gly	Pro
				260					265					270
Leu	Thr	Ala	Asp	Phe	Ile	Val	Lys	Ile	Arg	Asn	Ser	Gly	Ser	Ala
				275					280					285
Asp	Ser	Thr	Val	Gln	Phe	Ile	Phe	Tyr	Gln	Pro	Ile	Ile	His	Arg
				290					295					300
Trp	Arg	Glu	Thr	Asp	Phe	Phe	Pro	Cys	Ser	Ala	Thr	Cys	Gly	Gly
				305					310					315
Gly	Tyr	Gln	Leu	Thr	Ser	Ala	Glu	Cys	Tyr	Asp	Leu	Arg	Ser	Asn
				320					325					330
Arg	Val	Val	Ala	Asp	Gln	Tyr	Cys	His	Tyr	Tyr	Pro	Glu	Asn	Ile
				335					340					345
Lys	Pro	Lys	Pro	Lys	Leu	Gln	Glu	Cys	Asn	Leu	Asp	Pro	Cys	Pro
				350					355					360
Ala	Ser	Asp	Gly	Tyr	Lys	Gln	Ile	Met	Pro	Tyr	Asp	Leu	Tyr	His
				365					370					375
Pro	Leu	Pro	Arg	Trp	Glu	Ala	Thr	Pro	Trp	Thr	Ala	Cys	Ser	Ser
				380					385					390
Ser	Cys	Gly	Gly	Gly	Ile	Gln	Ser	Arg	Ala	Val	Ser	Cys	Val	Glu
				395					400					405
Glu	Asp	Ile	Gln	Gly	His	Val	Thr	Ser	Val	Glu	Glu	Trp	Lys	Cys
				410					415					420
Met	Tyr	Thr	Pro	Lys	Met	Pro	Ile	Ala	Gln	Pro	Cys	Asn	Ile	Phe
				425					430					435
Asp	Cys	Pro	Lys	Trp	Leu	Ala	Gln	Glu	Trp	Ser	Pro	Cys	Thr	Val
				440					445					450
Thr	Cys	Gly	Gln	Gly	Leu	Arg	Tyr	Arg	Val	Val	Leu	Cys	Ile	Asp
				455					460					465
His	Arg	Gly	Met	His	Thr	Gly	Gly	Cys	Ser	Pro	Lys	Thr	Lys	Pro
				470					475					480
His	Ile	Lys	Glu	Glu	Cys	Ile	Val	Pro	Thr	Pro	Cys	Tyr	Lys	Pro
				485					490					495
Lys	Glu	Lys	Leu	Pro	Val	Glu	Ala	Lys	Leu	Pro	Trp	Phe	Lys	Gln
				500					505					510
Ala	Gln	Glu	Leu	Glu	Glu	Gly	Ala	Ala	Val	Ser	Glu	Glu	Pro	Ser
				515					520					525

Phe	Ile	Pro	Glu	Ala	Trp	Ser	Ala	Cys	Thr	Val	Thr	Cys	Gly	Val
				530					535					540
Gly	Thr	Gln	Val	Arg	Ile	Val	Arg	Cys	Gln	Val	Leu	Leu	Ser	Phe
				545					550					555
Ser	Gln	Ser	Val	Ala	Asp	Leu	Pro	Ile	Asp	Glu	Cys	Glu	Gly	Pro
				560					565					570
Lys	Pro	Ala	Ser	Gln	Arg	Ala	Cys	Tyr	Ala	Gly	Pro	Cys	Ser	Gly
				575					580					585
Glu	Ile	Pro	Glu	Phe	Asn	Pro	Asp	Glu	Thr	Asp	Gly	Leu	Phe	Gly
				590					595					600
Gly	Leu	Gln	Asp	Phe	Asp	Glu	Leu	Tyr	Asp	Trp	Glu	Tyr	Glu	Gly
				605					610					615
Phe	Thr	Lys	Cys	Ser	Glu	Ser	Cys	Gly	Gly	Gly	Val	Gln	Glu	Ala
				620					625					630
Val	Val	Ser	Cys	Leu	Asn	Lys	Gln	Thr	Arg	Glu	Pro	Cys		
				635					640					

<210> 125

<211> 568

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2484813

<400> 125

Met	Val	Leu	Leu	His	Trp	Cys	Leu	Leu	Trp	Leu	Leu	Phe	Pro	Leu
1				5					10					15
Ser	Ser	Arg	Thr	Gln	Lys	Leu	Pro	Thr	Arg	Asp	Glu	Glu	Leu	Phe
				20					25					30
Gln	Met	Gln	Ile	Arg	Asp	Lys	Ala	Phe	Phe	His	Asp	Ser	Ser	Val
				35					40					45
Ile	Pro	Asp	Gly	Ala	Glu	Ile	Ser	Ser	Tyr	Leu	Phe	Arg	Asp	Thr
				50					55					60
Pro	Lys	Arg	Tyr	Phe	Phe	Val	Val	Glu	Glu	Asp	Asn	Thr	Pro	Leu
				65					70					75
Ser	Val	Thr	Val	Thr	Pro	Cys	Asp	Ala	Pro	Leu	Glu	Trp	Lys	Leu
				80					85					90
Ser	Leu	Gln	Glu	Leu	Pro	Glu	Asp	Arg	Ser	Gly	Glu	Gly	Ser	Gly
				95					100					105
Asp	Leu	Glu	Pro	Leu	Glu	Gln	Gln	Lys	Gln	Gln	Ile	Ile	Asn	Glu
				110					115					120
Glu	Gly	Thr	Glu	Leu	Phe	Ser	Tyr	Lys	Gly	Asn	Asp	Val	Glu	Tyr
				125					130					135
Phe	Ile	Ser	Ser	Ser	Ser	Pro	Ser	Gly	Leu	Tyr	Gln	Leu	Asp	Leu
				140					145					150
Leu	Ser	Thr	Glu	Lys	Asp	Thr	His	Phe	Lys	Val	Tyr	Ala	Thr	Thr
				155					160					165
Thr	Pro	Glu	Ser	Asp	Gln	Pro	Tyr	Pro	Glu	Leu	Pro	Tyr	Asp	Pro
				170					175					180
Arg	Val	Asp	Val	Thr	Ser	Leu	Gly	Arg	Thr	Thr	Val	Thr	Leu	Ala
				185					190					195
Trp	Lys	Pro	Ser	Pro	Thr	Ala	Ser	Leu	Leu	Lys	Gln	Pro	Ile	Gln
				200					205					210
Tyr	Cys	Val	Val	Ile	Asn	Lys	Glu	His	Asn	Phe	Lys	Ser	Leu	Cys
				215					220					225
Ala	Val	Glu	Ala	Lys	Leu	Ser	Ala	Asp	Asp	Ala	Phe	Met	Met	Ala
				230					235					240
Pro	Lys	Pro	Gly	Leu	Asp	Phe	Ser	Pro	Phe	Asp	Phe	Ala	His	Phe
				245					250					255
Gly	Phe	Pro	Ser	Asp	Asn	Ser	Gly	Lys	Glu	Arg	Ser	Phe	Gln	Ala

Lys	Pro	Ser	Pro	260	Lys	Leu	Gly	Arg	His	265	Val	Tyr	Ser	Arg	Pro	Lys	270
Val	Asp	Ile	Gln	275	Lys	Ile	Cys	Ile	Gly	280	Asn	Lys	Asn	Ile	Phe	Thr	285
Val	Ser	Asp	Leu	290	Lys	Pro	Asp	Thr	Gln	295	Tyr	Tyr	Phe	Asp	Val	Phe	300
Val	Val	Asn	Ile	305	Asn	Ser	Asn	Met	Ser	310	Thr	Ala	Tyr	Val	Gly	Thr	315
Phe	Ala	Arg	Thr	320	Lys	Glu	Glu	Ala	Lys	325	Gln	Lys	Thr	Val	Glu	Leu	330
Lys	Asp	Gly	Lys	335	Ile	Thr	Asp	Val	Phe	340	Val	Lys	Arg	Lys	Gly	Ala	345
Lys	Phe	Leu	Arg	350	Phe	Ala	Pro	Val	Ser	355	Ser	His	Gln	Lys	Val	Thr	360
Phe	Phe	Ile	His	365	Ser	Cys	Leu	Asp	Ala	370	Val	Gln	Ile	Gln	Val	Arg	375
Arg	Asp	Gly	Lys	380	Leu	Leu	Leu	Ser	Gln	385	Asn	Val	Glu	Gly	Ile	Gln	390
Gln	Phe	Gln	Leu	395	Arg	Gly	Lys	Pro	Lys	400	Ala	Lys	Tyr	Leu	Val	Arg	405
Leu	Lys	Gly	Asn	410	Lys	Lys	Gly	Ala	Ser	415	Met	Leu	Lys	Ile	Leu	Ala	420
Thr	Thr	Arg	Pro	425	Thr	Lys	Gln	Ser	Phe	430	Pro	Ser	Leu	Pro	Glu	Asp	435
Thr	Arg	Ile	Lys	440	Ala	Phe	Asp	Lys	Leu	445	Arg	Thr	Cys	Ser	Ser	Ala	450
Thr	Val	Ala	Trp	455	Leu	Gly	Thr	Gln	Glu	460	Arg	Asn	Lys	Phe	Cys	Ile	465
Tyr	Lys	Lys	Glu	470	Val	Asp	Asp	Asn	Tyr	475	Asn	Glu	Asp	Gln	Lys	Lys	480
Arg	Glu	Gln	Asn	485	Gln	Cys	Leu	Gly	Pro	490	Asp	Ile	Arg	Lys	Lys	Ser	495
Glu	Lys	Val	Leu	500	Cys	Lys	Tyr	Phe	His	505	Ser	Gln	Asn	Leu	Gln	Lys	510
Ala	Val	Thr	Thr	515	Glu	Thr	Ile	Lys	Gly	520	Leu	Gln	Pro	Gly	Lys	Ser	525
Tyr	Leu	Leu	Asp	530	Val	Tyr	Val	Ile	Gly	535	His	Gly	Gly	His	Ser	Val	540
Lys	Tyr	Gln	Ser	545	Lys	Val	Val	Lys	Thr	550	Arg	Lys	Phe	Cys			555
				560						565							

<210> 126

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2493851

<400> 126

Met	Trp	Leu	Val	Gly	Pro	Ser	Phe	Leu	Ser	Cys	Pro	Leu	Gly	Lys
1				5					10					15
Val	Pro	Pro	Ala	Gly	Leu	Leu	Leu	Ala	Gly	Ser	Ser	Gly	Arg	Gly
				20					25					30
Ala	Arg	Arg	Pro	Ala	Thr	Pro	Arg	His	Trp	Ser	Ser	Thr	Thr	Pro
				35					40					45
Gly	Leu	Arg	Leu	Glu	Ala	Pro	Leu	Cys	Gln	Leu	Cys	Pro	Leu	Gly
				50					55					60
Gly	Thr	Arg	Gln	Asp	Cys	Gln	Pro	Leu	Ser	Trp	Gln	Val	Thr	Ser
				65					70					75

PF-0541 PCT

Ala	Phe	Lys	Leu	Thr	Val	Pro	Ser	Pro	Phe	His	Ala	Pro	Pro	Arg	
				80					85					90	
Ser	Trp	Ser	Cys	Leu	Leu	Leu	Gly	Ile	Phe	Pro	Gly	Gln	Ala	Leu	
				95					100					105	
Ala	Leu	Glu	Pro	Trp	His	Leu	Phe	Leu	Gly	Ser	Met	Leu	Pro	Arg	
				110					115					120	
Cys	Asp	Gly	Glu	Cys											
				125											

<210> 127
<211> 196
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2495719

<400>	127														
Met	Ala	Ala	Leu	Lys	Ala	Leu	Val	Ser	Gly	Cys	Gly	Arg	Leu	Leu	
1				5					10					15	
Arg	Gly	Leu	Leu	Ala	Gly	Pro	Ala	Ala	Thr	Ser	Trp	Ser	Arg	Leu	
				20					25					30	
Pro	Ala	Arg	Gly	Phe	Arg	Glu	Val	Val	Glu	Thr	Gln	Glu	Gly	Lys	
				35					40					45	
Thr	Thr	Ile	Ile	Glu	Gly	Arg	Ile	Thr	Ala	Thr	Pro	Lys	Glu	Ser	
				50					55					60	
Pro	Asn	Pro	Pro	Asn	Pro	Ser	Gly	Gln	Cys	Pro	Ile	Cys	Arg	Trp	
				65					70					75	
Asn	Leu	Lys	His	Lys	Tyr	Asn	Tyr	Asp	Asp	Val	Leu	Leu	Leu	Ser	
				80					85					90	
Gln	Phe	Ile	Arg	Pro	His	Gly	Gly	Met	Leu	Pro	Arg	Lys	Ile	Thr	
				95					100					105	
Gly	Leu	Cys	Gln	Glu	Glu	His	Arg	Lys	Ile	Glu	Glu	Cys	Val	Lys	
				110					115					120	
Met	Ala	His	Arg	Ala	Gly	Leu	Leu	Pro	Asn	His	Arg	Pro	Arg	Leu	
				125					130					135	
Pro	Glu	Gly	Val	Val	Pro	Lys	Ser	Lys	Pro	Gln	Leu	Asn	Arg	Tyr	
				140					145					150	
Leu	Thr	Arg	Trp	Ala	Pro	Gly	Ser	Val	Lys	Pro	Ile	Tyr	Lys	Lys	
				155					160					165	
Gly	Pro	Arg	Trp	Asn	Arg	Val	Arg	Met	Pro	Val	Gly	Ser	Pro	Leu	
				170					175					180	
Leu	Arg	Asp	Asn	Val	Cys	Tyr	Ser	Arg	Thr	Pro	Trp	Lys	Leu	Tyr	
				185					190					195	
His															

<210> 128
<211> 214
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2614153

<400>	128														
Met	Val	Leu	Gly	Gly	Cys	Pro	Val	Ser	Tyr	Leu	Leu	Leu	Cys	Gly	
1				5					10					15	

Gln	Ala	Ala	Leu	Leu	Leu	Gly	Asn	Leu	Leu	Leu	Leu	His	Cys	Val	
			20						25					30	
Ser	Arg	Ser	His	Ser	Gln	Asn	Ala	Thr	Ala	Glu	Pro	Glu	Leu	Thr	
			35						40					45	
Ser	Ala	Gly	Ala	Ala	Gln	Pro	Glu	Gly	Pro	Gly	Gly	Ala	Ala	Ser	
			50						55					60	
Trp	Glu	Tyr	Gly	Asp	Pro	His	Ser	Pro	Val	Ile	Leu	Cys	Ser	Tyr	
			65						70					75	
Leu	Pro	Asp	Glu	Phe	Ile	Glu	Cys	Glu	Asp	Pro	Val	Asp	His	Val	
			80						85					90	
Gly	Asn	Ala	Thr	Ala	Ser	Gln	Glu	Leu	Gly	Tyr	Gly	Cys	Leu	Lys	
			95						100					105	
Phe	Gly	Gly	Gln	Ala	Tyr	Ser	Asp	Val	Glu	His	Thr	Ser	Val	Gln	
			110						115					120	
Cys	His	Ala	Leu	Asp	Gly	Ile	Glu	Cys	Ala	Ser	Pro	Arg	Thr	Phe	
			125						130					135	
Leu	Arg	Glu	Asn	Lys	Pro	Cys	Ile	Lys	Tyr	Thr	Gly	His	Tyr	Phe	
			140						145					150	
Ile	Thr	Thr	Leu	Leu	Tyr	Ser	Phe	Phe	Leu	Gly	Cys	Phe	Gly	Val	
			155						160					165	
Asp	Arg	Phe	Cys	Leu	Gly	His	Thr	Gly	Thr	Ala	Val	Gly	Lys	Leu	
			170						175					180	
Leu	Thr	Leu	Gly	Gly	Leu	Gly	Ile	Trp	Trp	Phe	Val	Asp	Leu	Ile	
			185						190					195	
Leu	Leu	Ile	Thr	Gly	Gly	Leu	Met	Pro	Ser	Asp	Gly	Ser	Asn	Trp	
			200						205					210	
Cys	Thr	Val	Tyr												

<210> 129
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2655184

Met	Ala	Cys	Phe	Ser	Phe	Phe	Leu	Cys	Phe	Leu	Val	His	Leu	Leu	
1				5					10					15	
Ile	Lys	Met	Asn	Pro	Val	Thr	Glu	Ser	Pro	Ser	Cys	Leu	Phe	Ser	
			20						25					30	
Pro	Pro	Ser	Glu	Ser	Ala	Leu	Ala	Ser	Gln	Leu	Ala	Leu	Ser	Ala	
			35						40					45	
Ser	Cys	Asp	Gln	Arg	Ala	Pro	Phe	Ser	Leu	Ala	Gly	Val	Val	Ser	
			50						55					60	
His	Asp	Pro	Gly	Trp	Pro	Val	Val	Arg	Leu	His	Arg	Pro	Leu	Val	
			65						70					75	
Pro	Glu	His	Ala	Val	Phe	Ser	Gln	Pro	Ser	Leu	Gln	Pro			
			80						85						

<210> 130
 <211> 260
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2848362

<400> 130

Met	Pro	Asp	Pro	Leu	Phe	Ser	Ala	Val	Gln	Gly	Lys	Asp	Glu	Ile	
1				5					10					15	
Leu	His	Lys	Ala	Leu	Cys	Phe	Cys	Pro	Trp	Leu	Gly	Lys	Gly	Gly	
				20					25					30	
Met	Glu	Pro	Leu	Arg	Leu	Leu	Ile	Leu	Leu	Phe	Val	Thr	Glu	Leu	
				35					40					45	
Ser	Gly	Ala	His	Asn	Thr	Thr	Val	Phe	Gln	Gly	Val	Ala	Gly	Gln	
				50					55					60	
Ser	Leu	Gln	Val	Ser	Cys	Pro	Tyr	Asp	Ser	Met	Lys	His	Trp	Gly	
				65					70					75	
Arg	Arg	Lys	Ala	Trp	Cys	Arg	Gln	Leu	Gly	Glu	Lys	Gly	Pro	Cys	
				80					85					90	
Gln	Arg	Val	Val	Ser	Thr	His	Asn	Leu	Trp	Leu	Leu	Ser	Phe	Leu	
				95					100					105	
Arg	Arg	Trp	Asn	Gly	Ser	Thr	Ala	Ile	Thr	Asp	Asp	Thr	Leu	Gly	
				110					115					120	
Gly	Thr	Leu	Thr	Ile	Thr	Leu	Arg	Asn	Leu	Gln	Pro	His	Asp	Ala	
				125					130					135	
Gly	Leu	Tyr	Gln	Cys	Gln	Ser	Leu	His	Gly	Ser	Glu	Ala	Asp	Thr	
				140					145					150	
Leu	Arg	Lys	Val	Leu	Val	Glu	Val	Leu	Ala	Asp	Pro	Leu	Asp	His	
				155					160					165	
Arg	Asp	Ala	Gly	Asp	Leu	Trp	Phe	Pro	Gly	Glu	Ser	Glu	Ser	Phe	
				170					175					180	
Glu	Asp	Ala	His	Val	Glu	His	Ser	Ile	Ser	Arg	Ser	Leu	Leu	Glu	
				185					190					195	
Gly	Glu	Ile	Pro	Phe	Pro	Pro	Thr	Ser	Ile	Leu	Leu	Leu	Leu	Ala	
				200					205					210	
Cys	Ile	Phe	Leu	Ile	Lys	Ile	Leu	Ala	Ala	Ser	Ala	Leu	Trp	Ala	
				215					220					225	
Ala	Ala	Trp	His	Gly	Gln	Lys	Pro	Gly	Thr	His	Pro	Pro	Ser	Glu	
				230					235					240	
Leu	Asp	Cys	Gly	His	Asp	Pro	Gly	Tyr	Gln	Leu	Gln	Thr	Leu	Pro	
				245					250					255	
Gly	Leu	Arg	Asp	Thr											
				260											

<210> 131

<211> 295

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2849906

<400> 131

Met	Gly	Leu	Pro	Val	Ser	Trp	Ala	Pro	Pro	Ala	Leu	Trp	Val	Leu	
1				5					10					15	
Gly	Cys	Cys	Ala	Leu	Leu	Leu	Ser	Leu	Trp	Ala	Leu	Cys	Thr	Ala	
				20					25					30	
Cys	Arg	Arg	Pro	Glu	Asp	Ala	Val	Ala	Pro	Arg	Lys	Arg	Ala	Arg	
				35					40					45	
Arg	Gln	Arg	Ala	Arg	Leu	Gln	Gly	Ser	Ala	Thr	Ala	Ala	Glu	Ala	
				50					55					60	
Ser	Leu	Leu	Arg	Arg	Thr	His	Leu	Cys	Ser	Leu	Ser	Lys	Ser	Asp	
				65					70					75	
Thr	Arg	Leu	His	Glu	Leu	His	Arg	Gly	Pro	Arg	Ser	Ser	Arg	Ala	
				80					85					90	
Leu	Arg	Pro	Ala	Ser	Met	Asp	Leu	Leu	Arg	Pro	His	Trp	Leu	Glu	

	95		100		105
Val Ser Arg Asp	Ile Thr Gly Pro Gln	Ala Ala Pro Ser Ala	Phe		
	110		115		120
Pro His Gln Glu	Leu Pro Arg Ala Leu	Pro Ala Ala Ala Ala	Thr		
	125		130		135
Ala Gly Cys Ala	Gly Leu Glu Ala Thr	Tyr Ser Asn Val Gly	Leu		
	140		145		150
Ala Ala Leu Pro	Gly Val Ser Leu Ala	Ala Ser Pro Val Val	Ala		
	155		160		165
Glu Tyr Ala Arg	Val Gln Lys Arg Lys	Gly Thr His Arg Ser	Pro		
	170		175		180
Gln Glu Pro Gln	Gln Gly Lys Thr Glu	Val Thr Pro Ala Ala	Gln		
	185		190		195
Val Asp Val Leu	Tyr Ser Arg Val Cys	Lys Pro Lys Arg Arg	Asp		
	200		205		210
Pro Gly Pro Thr	Thr Asp Pro Leu Asp	Pro Lys Gly Gln Gly	Ala		
	215		220		225
Ile Leu Ala Leu	Ala Gly Asp Leu Ala	Tyr Gln Thr Leu Pro	Leu		
	230		235		240
Arg Ala Leu Asp	Val Asp Ser Gly Pro	Leu Glu Asn Val Tyr	Glu		
	245		250		255
Ser Ile Arg Glu	Leu Gly Asp Pro Ala	Gly Arg Ser Ser Thr	Cys		
	260		265		270
Gly Ala Gly Thr	Pro Pro Ala Ser Ser	Cys Pro Ser Leu Gly	Arg		
	275		280		285
Gly Trp Arg Pro	Leu Pro Ala Ser Leu	Pro			
	290		295		

<210> 132

<211> 183

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2899137

<400> 132

Met Ala Ala Ser	Met Ala Arg Gly Gly	Val Ser Ala Arg Val	Leu
1	5	10	15
Leu Gln Ala Ala	Arg Gly Thr Trp Trp	Asn Arg Pro Gly Gly	Thr
	20	25	30
Ser Gly Ser Gly	Glu Gly Val Ala Leu	Gly Thr Thr Arg Lys	Phe
	35	40	45
Gln Ala Thr Gly	Ser Arg Pro Ala Gly	Glu Glu Asp Ala Gly	Gly
	50	55	60
Pro Glu Arg Pro	Gly Asp Val Val Asn	Val Val Phe Val Asp	Arg
	65	70	75
Ser Gly Gln Arg	Ile Pro Val Ser Gly	Arg Val Gly Asp Asn	Val
	80	85	90
Leu His Leu Ala	Gln Arg His Gly Val	Asp Leu Glu Gly Ala	Cys
	95	100	105
Glu Ala Ser Leu	Ala Cys Ser Thr Cys	His Val Tyr Val Ser	Glu
	110	115	120
Asp His Leu Asp	Leu Leu Pro Pro Pro	Glu Glu Arg Glu Asp	Asp
	125	130	135
Met Leu Asp Met	Ala Pro Leu Leu Gln	Glu Asn Ser Arg Leu	Gly
	140	145	150
Cys Gln Ile Val	Leu Thr Pro Glu Leu	Glu Gly Ala Glu Phe	Thr
	155	160	165
Leu Pro Lys Ile	Thr Arg Asn Phe Tyr	Val Asp Gly His Val	Pro
	170	175	180

PF-0541 PCT

Lys Pro His

<210> 133
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2986229

<400> 133
Met Trp Arg Lys Pro Asp Val Leu Tyr Ser Val Ile Pro Val Thr
1 5 10 15
Ser Leu Phe Phe Leu Leu Ala Leu Asn Leu Pro Asp Val Phe Gly
20 25 30
Leu Val Val Leu Pro Leu Glu Leu Lys Leu Arg Ile Phe Arg Leu
35 40 45
Leu Asp Val Arg Ser Val Leu Ser Leu Ser Ala Val Cys Arg Asp
50 55 60
Leu Phe Thr Ala Ser Asn Asp Pro Leu Leu Trp Arg Phe Leu Tyr
65 70 75
Leu Arg Asp Phe Arg Gly Asp Phe Arg Asn Asp Ile Phe Thr Arg
80 85 90
Lys Gly Ser Tyr Cys Leu Asp Tyr Ser Ala His Gln Lys Phe Leu
95 100 105
Val Val Gly Phe Phe Cys Cys Lys
110

<210> 134
<211> 160
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3222081

<400> 134
Met Gln Arg Val Ser Gly Leu Leu Ser Trp Thr Leu Ser Arg Val
1 5 10 15
Leu Trp Leu Ser Gly Leu Ser Glu Pro Gly Ala Ala Arg Gln Pro
20 25 30
Arg Ile Met Glu Glu Lys Ala Leu Glu Val Tyr Asp Leu Ile Arg
35 40 45
Thr Ile Arg Asp Pro Glu Lys Pro Asn Thr Leu Glu Glu Leu Glu
50 55 60
Val Val Ser Glu Ser Cys Val Glu Val Gln Glu Ile Asn Glu Glu
65 70 75
Glu Tyr Leu Val Ile Ile Arg Phe Thr Pro Thr Val Pro His Cys
80 85 90
Ser Leu Ala Thr Leu Ile Gly Leu Cys Leu Arg Val Lys Leu Gln
95 100 105
Arg Cys Leu Pro Phe Lys His Lys Leu Glu Ile Tyr Ile Ser Glu
110 115 120
Gly Thr His Ser Thr Glu Glu Asp Ile Asn Lys Gln Ile Asn Asp
125 130 135
Lys Glu Arg Val Ala Ala Ala Met Glu Asn Pro Asn Leu Arg Glu
140 145 150

Ile Val Glu Gln Cys Val Leu Glu Pro Asp
 155 160

<210> 135
 <211> 865
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 443531

<400> 135
 attcctcaat tttccagtct cccttgagct aagtgtggcc ctatgactca cttccagcca 60
 tgaaaacaag tgcaaactctg ttaggagtat gttctggggc aatttttgct ctccctgatga 120
 agacaaaaggc tggtgatcca ctgaaccac ccagacacta tgtgggttct tgaatgtcct 180
 acgtacattt tgatggatta cccaaggact atctgatgaa gaataataga gacatataaa 240
 tacatatggg ctacatcttg gcaaaataaa gtaatcctga agtaaattct aaggatgttc 300
 tgaattgaca cctcttaagc acaaccgaat gtcctgggtg ctttgccctcc cactggggct 360
 ttttggtctt tgtttggtccc cagcggctgc tgcagctctg tctgaattca cacaggagca 420
 acatgatggg gctcagccct cgccgaagtg tcttgctgaa gagttgggag atgcttggac 480
 tattcagata gaagccaact ggaagtacag ggcagtcaac acaaaccaga gaggcaaaact 540
 tttggccagt gagacatgga aaggggagaag aaatacattc ttctttctcc cctagagtga 600
 ggaccaacct gagtcccagt cacctggaat cccctcagac gagcgtccct tgagatccag 660
 cacatggcag ccagcgtgct gacgattcct tcctgcctac tggctccttc ttatttctgc 720
 ctccgtggaa ctgtattctc taatcaatat tagcacatac atattgcccc agactgtacc 780
 tcctgggaac ccaggataaa gcactatcta aacattttgt cttggaattg taataaactt 840
 caaaagaaaa atacaaaaaa aaaaa 865

<210> 136
 <211> 706
 <212> DNA
 <213> Homo sapiens

<220>
 <221>
 <222> 11, 12
 <223> a or g or c or t, unknown, or other

<220>
 <221> misc_feature
 <223> Incyte Clone No: 632860

<400> 136
 cggaccgtgg nnttggtaaa gcccatthtc gaggatttta gggagaccta ggtggggcag 60
 aactagaag tgtccagcct ccaagcccaa gagatgtggc cggcagggct gggcagggtcc 120
 ttgctggctc agcctgctct ttgctccttc atgggacccc agtggatcct gcagttctgc 180
 tcttggtctg aaccacgcca gcttcgctgg agctggactg agccgccttt tacattattg 240
 gactctctcg ggttgagagc tgcccaggac tcctgcagtt tcaccacctt tgttcctttg 300
 actcttgact catcattcat gaccgttaac gtggttccat ttgtatggac ttcttctttc 360
 ttcagagcat ttcagtatcc tgttacctcc ccatgcagaa caaagaatac tccacttttg 420
 atagatgggg ttaccaggat tcaggctaca tggcctgagg caaggtcaca acatgagtga 480
 cagaatgtgt cctggaagcc aggcattcctc tgggggtgat ttggggcgct caacaaggct 540
 tgatcgagct ttgggggtag atctagctat tccatgggga ttcttttcag aattgctgtt 600
 ttcggttaact aattccatga ccagggtccat ggcattggat gacattgcgc tacactgttg 660
 ctcacccggg tcacccgtcc tcacagggtg gatggcaagc atgttg 706

<210> 137
 <211> 801
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 670010

<400> 137

```

acttctacat gggcctcctg ctgctggtgc tcttcctcag cctcctgccg gtggcctaca 60
ccatcatgtc cctccccccc tcctttgact gcggggccgtt cagggtgcaga gtctcagttg 120
cccgggagca cctccccctc cgaggcagtc tgctcagagg gcctcggccc agaattccag 180
ttctggtttc atgccagcct gtaaaaggcc atggaacttt gggatgaatca ccgatgccat 240
ttaagagggt tttctgccag gatggaaatg ttaggtcggt ctgtgtctgc gctgttcatt 300
tcagtagcca ccagccacct gtggccgttg agtgcttgaa atgaggaact gagaaaatta 360
atttctcatg tattttttctc atttatttat taatttttaa ctgatagttg tacatatattg 420
ggggtacatg tgatatattg atacatgtat acaatatata atgatcaaat cagggttaact 480
gggatatcca tcacatcaaa catttatttt ttattctttt tagacagagt ctactctgt 540
caccaggct ggagtgcagt ggtgccatct cagcttactg caacctctgc ctgccagggt 600
caagcgattc tcatgcctcc acctcccaag tagctgggac tacaggcatg caccacaatg 660
cccaactaat ttttgatttt ttagtagaga cgggggtttg ccatgttgcc caggctggcc 720
ttgaactcct ggctcaaac aatccacttg cctcggcctc ccaaagtgtt atgattacag 780
gcgtgagcca ccgtgcctgg g 801

```

<210> 138

<211> 664

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 505, 518, 527, 540, 565, 566

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 726498

<400> 138

```

cggacgcgtg ggctggaagg agctctggag tcggaatcag gatgtggagg ctgagaagaa 60
atctggctct accacctggg aaactggcat ggttgatttt gtcagtgttc agtcagggga 120
gcagagccat gatgagtctt acggaaataa ggttaaaaca tatgcttgaa atttggcatg 180
gcagacaagc cagagcttgt gaaaatctaa gaaaccaaac acgtgtagcc accaaagtgg 240
aaccacaaaa gggaagatct acagaaattt gttgccttgc ttagattcca ttaaagtagg 300
ttgtgcagtc aagcatcttg ttgtgggtct ggagctgttg ccagcatcag gaagacaagc 360
tgggtgctaa gtgaagaaat acacaatgta gaaactgtca ggcattctctg cccctggact 420
tcaccatctc tgatgatgtt ctacagagtc gggcactgct tcacttttctg cttccaaatc 480
tcacacaaaa ttctctgtta ggcancccca gcttagancc ttacaantga gggggatcan 540
ggaaatggag taccagata ccanngtga tatactttta tgccctcagt ttcttatctt 600
tcagtgggga taatatcctc ggatacaaaa gagtgtacat atataccctg tatttggtaa 660
acta 664

```

<210> 139

<211> 1241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 795064

<400> 139

```

ccaggcaata tctcaggata tggaagtttc tgggtttatt taccctcag tgcccagagt 60
taaagtttca gaagagactt gtgcacataa gggcttcata tcaagtgtat tgcagtaatg 120
gctgaatcgg ggttaacatc ccttcaggc acagcgagtt ggttctgctt ttgacctgta 180
agccaaagaa aagccacatc taaaaagcta ctactaaaag ccagaaagaa aagtggattt 240

```

```

gaactcagtg tcacagactc ttctgagtggt tttaggggtca cagctagtggt aagaggcatg 300
aagaatagac atgcaaaaagg gaacgggtgac accagagacc cctgttttgg ctgacagacc 360
atatgtccca ccagctgggg aatctgacaa gaggacatag gtggcactct ttttttaaag 420
ctatttattg tatctatttt taaataaaat tgcccatcct cattcagctc ttagaacaaa 480
agcaaaaaaac cctgtaaatc aggagatata agcacatctg caccagaat aggcccatat 540
gataggggcaa ccctgagctt aaacaatgac atcttcaagg gtagaactaa tctgaaaccc 600
ccttccagcc tctggaagac actggcctgc atcagttaga gtcagagcaa gtgtcacttc 660
acagggaaaa gaaggattat atagacttcc tatccctaga gtttataaat gtcaactata 720
taaaaaaagc tcaaaacagt gttaaaggaa tgaacagtag aattttaata ggctgtccaa 780
agaagccagg tctgctgtgg gcaagtatag cctaacccta gtcttgtaaa ataagccaga 840
aagggttact gagccacctt aagctagtac ctatatagta ggcaaaaagt acagaaatag 900
atgcaataag tgtggtgagt ctttgagcct acgagtcagt ccaccagcca taagttgacc 960
tatcacttga gaacctcctc agcaaagatg ccagaaaaca ttcaatcaag ttggcaaatg 1020
acacaggggag ctggccctct gacctcttc ctggcaaac tggactggaa gggccatttg 1080
cagcactgtc ctggagctaa tacactgttt cactgcctct gccatataat gatgccagca 1140
ctagccagct ggtgggtatt tggagggaat ctgcatgagg attgccaat aaggggcagg 1200
tacacatacc tggcaaatg atgatgatgt gaattgtttc c 1241

```

<210> 140

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 570, 641

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 924925

<400> 140

```

tggagtgggg agaagagcat acgccaggag cctcctgcct caaagtgctc ccctaagtct 60
tcttctcct gtgctgacct cagggtgggtc tgacccttcc ctcggtgtgg gggatgtggc 120
cctctcaggt gccctactt gctttctgct tccttctggt gaagtccacc tccaacatta 180
acctgccac cccacccccg tcatccctgg agaattccag ctttgtcgta tctcagagag 240
ggaatctaata tgttttttggg gggcaaaaaga aagcaacgtt taggtatcac ttctacttgg 300
acgcgatgcc tttttatagc caaatttctg tgtatttcgt aaatggattt cgcgttaatg 360
gatatttatg taataactag acttctcaga ttattgtgag aagggtcagg ttggaagggg 420
tgtaggaaga cgggtgagg gtagtttttt tctgtcctag tttttttttt ttttattgtc 480
atctctgagg tggactttgt cacctgtggt tattggggcc aagtggactc agctccgggg 540
gagaaggctt ctctgccatt tcggtccaan ggtgactgac acaggcgta c tttttgggac 600
tgtggaagca tcatagtcca gcactgactt cagaccagca ntctgggcta gaggaagatg 660
ggacctttca ggatggaaat accttggaat ttcttttgggt ccctcgaaa cttgggcttt 720
ctctaccgac ttgccagat ttcatttcac 750

```

<210> 141

<211> 1235

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 962390

<400> 141

```

ccctcaggca gccctccac aggacccctc tcctgctggt acagctctgc tgggtctcccc 60
gtcccctgga gaagaacaag gccatgggtc ggccctgct gctgcccctg ctgctcctgc 120
tgcagccgcc agcatttctg cagcctgggt gctccacagg atctggtcca agctaccttt 180
atggggctcac tcaacaaaaa cacctctcag cctccatggg tggctctgtg gaaatcccc 240
tctccttcta ttacccttgg gagttagcca tagttcccaa cgtgagaata tcctggagac 300
ggggccactt ccacgggcag tccttctaca gcacaaggcc gccttccatt cacaaggatt 360
atgtgaaccg gctctttctg aactggacag agggtcagga gagcggcttc ctcaggatct 420

```

```

caaacctgcg gaaggaggac cagtctgtgt atttctgccg agtcgagctg gacacccgga 480
gatcaggag   gcagcagttg cagtcocatca aggggaccaa actcaccatc acccaggctg 540
tcacaaccac caccacctgg agggcccagca gcacaaccac catagccggc ctcagggtca 600
cagaaagcaa agggcactca gaatcatggc acctaagtct ggacactgcc atcagggttg 660
cattggctgt cgctgtgctc aaaactgtca ttttgggact gctgtgcctc ctcctcctgt 720
ggtggaggag aaggaaagggt agcaggggcg caagcagtga cttctgacca acagagtgtg 780
gggagaaggg atgtgtatta gccccggagg acgtgatgtg agaccgctt gtgagtcctc 840
cacactcggt ccccatgggc aagatacatg gagagcacc tgaggacctt taaaaggcaa 900
agccgcaagg cagaaggagg ctgggtccct gaatcaccga ctggaggaga gttacctaca 960
agagccttca tccaggagca tccacactgc aatgatatag gaatgaggtc tgaactccac 1020
tgaattaaac cactggcatt tgggggctgt ttattatagc agtgcaaaga gttcctttat 1080
cctccccaag gatggaaaaa tacaatttat tttgcttacc atacaccctt tttctcctcg 1140
tccacatttt ccaatctgta tgggtggctgt cttctatggc agaaggtttt ggggaataaa 1200
tagcgtgaaa tgctgctgac acttaaaaaa aaaaa      1235

```

<210> 142

<211> 1834

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1259405

<400> 142

```

gacggaagtg cgggcgagg agccccagcc ggggtcccaag cctgtgcctg tgctgagcc 60
tgagcctgag cctgagcccc agccgggagc cggtcgcggg ggctccgggc tgtgggaccg 120
ctgggcccc agcgatggcg accctgtggg gaggccttct tcggttggc tccttgctca 180
gcctgtcgtg cctggcgctt tccgtgctgc tgctggcgca gctgtcagac gccgccaaga 240
atttcgagga tgtcagatgt aaatgtatct gccctcccta taaagaaaat tctgggcata 300
tttataataa gaacatatct cagaaagatt gtgattgcct tcatgttgtg gagcccatgc 360
ctgtgcgggg gcctgatgta gaagcatact gtctacgctg tgaatgcaaa tatgaagaaa 420
gaagctctgt cacaatcaag gttaccatta taatttatct ctccattttg ggccttctac 480
ttctgtacat ggtatatctt actctgggtg agcccatact gaagaggcgc ctctttggac 540
atgcacagtt gatacagagt gatgatgata ttggggatca ccagcctttt gcaaatgcac 600
acgatgtgct agcccgcctc cgcagtcgag ccaacgtgct gaacaaggta gaatatgcac 660
agcagcgctg gaagcttcaa gtccaagagc agcgaagtc tgtctttgac cggcatgttg 720
tcctcagcta attgggaatt gaattcaagg tgactagaaa gaaacaggca gacaactgga 780
aagaactgac tgggttttgc tgggtttcat ttaataacct tgttgatttc accaactggt 840
gctggaagat tcaaaaactg aagcaaaaac ttgcttgatt tttttttctt gttaacgtaa 900
taatagagac attttttaaa gcacacagct caaagtcagc caataagtct tttcctatct 960
gtgactttta ctaataaaaa taaatctgcc tgtaaattat cttgaagtcc tttacctgga 1020
acaagcactc tctttttcac cacatagttt taacttgact ttcaagataa ttttcagggt 1080
ttttgttgtt gttgtttttt gtttgtttgt tttgtggga gaggggaggg atgcctggga 1140
agtgtttaac aacttttttc aagtcacttt actaaacaaa cttttgtaaa tagaccttac 1200
cttctatttt cgagtttcat ttatattttg cagtgtagcc agcctcatca aagagctgac 1260
ttactcattt gacttttgca ctgactgtgt tatctgggta tctgctgtgt ctgcacttca 1320
tggtaaacgg gatctaaaat gcctgggtgg ttttcacaaa aagcagattt tcttcatgta 1380
ctgtgatgtc tgatgcaatg catcctagaa caaacctggc atttgctagt ttactctaaa 1440
gactaaacat agtcttggtg tgtgtggtct tactcatctt ctagtacctt taaggacaaa 1500
tcctaaggac ttggacactt gcaataaaga aattttatct taaacccaag cctccctgga 1560
ttgataatat atacacattt gtcagcattt ccggtcgtgg tgagaggcag ctgtttgagc 1620
tccaatgtgt gcagctttga actagggtcg ggttgtggg tgcctcttct gaaagggtcta 1680
accattattg gataactggc ttttttcttc ctctttggaa tgtaacaata aaaataattt 1740
ttgaaacatc catcagtgt tctatctatg tctcctagtt ttttctcctt cctctctttt 1800
ctgtataatg agagagaaga tctgatgaga taac      1834

```

<210> 143

<211> 1722

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1297384

<400> 143

tacgagaccc	ggccgcaccc	cgagtcacac	aggccccgg	ggccacggcg	ttcgtctctc	60
ctgtgctgtc	ctcaggcctc	cgctcctggt	ttggtggccc	aggctctccc	ctgccccatc	120
ctcgtctccc	cacctccttg	ggtcatgccc	accaccctt	tcttgctccc	tccgtgtgaa	180
gacatccaac	atccacgtga	cttttcacgc	tccattttta	aacagtgact	gagattctag	240
aaaaactggc	tgctaactgg	cctgagccag	gcaacactga	ttccaatccc	tcctcctttt	300
ttaagttatt	tgatggaaga	ctcacctaata	ttgtgacctg	aaactgttga	agaaatagag	360
aggagggggc	ccgttgatta	cagagagcat	ttgggatttt	gtttggtttg	gagatgatgc	420
ctaggttact	gggtttgggg	ggattgtttt	cttttggggg	ccttcccctt	ttactccttt	480
tcttccagag	atcaagagct	tctcttgcac	cttcttccac	tgggctctgg	attaatcaat	540
tacccaaagg	ctgcacctgc	cgtgttgtct	gggcttgcac	cccagatgtg	ttggagtatg	600
catggatgta	gtgcttttta	gaggagccac	tgggcaaggc	caccaagaac	aatgcatga	660
cattttatag	ccaaggacgc	ctcgtctaaag	tcttatgggc	gtcccctggg	gttggggggg	720
cacaagggtt	tggaggaaga	agacaacttc	cctcattcca	tcatcaccat	ctctttctca	780
ctaggttctt	tctagttttc	aagcaatagt	tctagcctgc	cttggacaag	ggggccccag	840
ttaaacaac	tacccatcca	tgagggtgcca	ggcagtcaaa	aacagaagct	tccccgactt	900
gtgagtcctt	gagatgtgct	cttgttgttt	ggcatttggt	gtgacaggga	gtgaccaga	960
ggccaccact	gcttttcatg	caggagttac	agacactggt	ttcttgga	atggagagaa	1020
gcgcactttg	cacagacgtc	gtcaattaag	tcccaatttg	ccacttggtg	ttgagtacac	1080
tggaccctga	ccactggctc	ttgggcaaac	gtccttcctc	acggggcgcc	tccgccaagc	1140
cggcccagct	gcacccctcc	cttcctggag	ggatggccag	ggaaggagaa	aacagagaa	1200
tgacaccttt	gaaaccacag	aatgtgttac	atgcagactc	gctcaagggc	ataagttatt	1260
gtgaacgttt	ttgccaatca	ctgctcaaca	gccctgctag	atgttgatg	atgctgaatt	1320
attatgcaga	ctaattccac	ccagttgaga	cacaccatgc	ttgttcactt	gtattttatt	1380
aaactgtgga	ttcttgcccg	tgctgtccct	tgtatttact	ttaagcactg	atcacttatc	1440
attcattcgg	tatgtgtttc	cctgtccctt	gtacacattc	tggtatgaat	ttgtaaaaat	1500
aacctgctac	aaattgggtg	aatgtttctg	tctgtggtgc	gaaccagcat	taacggatgg	1560
ggcacgtgcc	caactgagga	acaggagaag	aaatcaccaa	tttgggctct	cagagctaag	1620
acacacttat	tgattctggt	gcacattttg	cactggttta	tggcgattgt	tttcttggac	1680
ggatagtgtg	aaataaactt	ctctgttctc	taaaaaaaaa	aa		1722

<210> 144

<211> 1741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1299627

<400> 144

ttcgtctcaa	gcctcaggcc	accggcttgg	atggacgctc	cgaggctacc	cgtgcgtcca	60
ggggtcttgc	ttccgaagtt	ggtcctgctc	tttgtctacg	cagatgattg	ccttgctcag	120
tgtggcaaag	attgcaaata	ttactgctgt	gatggaacca	cgccctactg	ttgctcctac	180
tacgcttata	ttgggaatat	cctctcgggc	actgcaattg	cgggcattgt	ttttggaata	240
gtatttatca	tgggggtcat	tgctgggatt	gccatatgca	tctgcatgtg	catgaagaac	300
cacagggcga	cccgcgtggg	catcctcagg	acgactcaca	tcaacaccgt	ctcctcctat	360
cctggaccac	cacctacgg	tcacgaccac	gagatggaat	actgtgcaga	ccttgctcct	420
ccatactccc	ccaccccaca	gggtccagca	cagcgttctc	cacccctccc	ttatcctgga	480
aacgcaagga	aataatctat	ctcccagaac	agaacatgtg	ccaatgggcg	atccttgctg	540
gaataaaatg	cctctactca	gaaacaggga	ggaaagaatt	gctccaagga	atactttttg	600
gggtcagata	atgtgtcagg	tggaaatatc	ctgctaggag	atataggatt	tctactctgc	660
tcaaagctga	ccccatctgg	agtattaatg	tttggttcta	tggaaaccaca	ttttaagaga	720
tctgctgata	cacctaaagca	cattcaggga	agagtaattg	aattgacaaa	atatctgata	780
atcatgttgt	ttaagggcta	ggtgaagaaa	gtttcagtat	tgatcctgga	aaaaaagaag	840
atctaagtag	gatgggagaa	tgatttgggc	cacacaagga	agcaacttta	ttctatatag	900
ctttaaaagt	cagaactaga	attgttcatt	ctttcattca	tcaataaatg	tatttttgagt	960
gcctaagagt	ttactatgtg	cctagcactg	tttgaggctc	tgatggaagt	tacaggatgg	1020
gtactctggg	tttagtacaa	gaaagagcaa	tgactagatt	gctttgtgaa	gctcttggtg	1080
gagacacgct	ccagaaggga	taacaaaatc	aaatagtaga	tgggttcatt	gggcctcaga	1140
agttctgctc	gtatttttagg	tgggtgtgaa	gtgaatttct	atatgtccag	gagtgaatac	1200
aacagaaaga	gttggatctt	atatttttaa	ttaggagatt	aaaacaagac	caaaaagact	1260

```

caacagccgc ttgaagccaa gaactcttca atgccagcta ctgccaccta aaaatcatct 1320
ggctttatag tggatcagaa taaagggttat tctaactgtg gggagaaaaa aaaaattgta 1380
tcaagttcca caggtagcag acacttcaact tccaagtaaa agatgagaaa tcaattattc 1440
ccacaggatt ttaggtcagg gagcaaaaat ctcagaactt gaccatgaag atacacaaca 1500
gactcgcaaa aataaagtgg gaaatgaagt tcagattccc ttctgtagat ttccttaaaa 1560
ctattatttt tttcttcttc gtaaaatttt gataatctgt tctcttaaaa aagttaatga 1620
cacaattaag atactgacat caaattgttg ccttttacca aaatgcaaat tttatgaagt 1680
gcctaccttt atatgtataa agcatttaat aaataattct aatgtgccat aaaaaaaaaa 1740
a                                                    1741

```

<210> 145

<211> 997

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 973

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 1306026

<400> 145

```

ggacaaccgt tgctgggtgt cccagggcct gaggcaggac ggtactccgc tgacaccttc 60
cctttcggcc ttgaggttcc cagcctgggtg gccccaggac gttccgggtcg catggcagag 120
tgctacggac gagcctatg aagcccttag tccttctagt tgcgcttttg ctatggcctt 180
cgtctgtgcc ggcttatccg agcataactg tgacacctga tgaagagcaa aacttgaatc 240
attatataca agtttttagag aacctagtag gaagtgttcc ctctggggag ccaggtcgtg 300
agaaaaaatc taactctcca aaacatgttt attctatagc atcaaaggga tcaaaattta 360
aggagctagt tacacatgga gacgcttcaa ctgagaatga tgttttaacc aatcctatca 420
gtgaagaaac tacaactttc cctacaggag gcttcacacc ggaaatagga aagaaaaaac 480
acacggaaaag taccctattc tgggtcgatca aaccaaacia tgtttccatt gttttgcatg 540
cagaggaacc ttatattgaa aatgaagagc cagagccaga gccggagcca gctgcaaaac 600
aaactgaggc accaagaatg ttgccagttg ttactgaatc atctacaagt ccatatgtta 660
cctcatacaa gtcacctgtc accactttag ataagagcac tggcattgag atctctacag 720
aatcaaacat tgttcctcag ctctcagggt aaactgcgat agaaaaaacc gagagttgga 780
agcaccagag agtgggatat gatgcatttg aaaaaaattt agtattaatc acaatgcaca 840
ggcacttcta gtgacacagc acccagctat agagagatat gaaggggtac gagctcgaat 900
tcgaatcatg tcatagctgt ttctgtgtg aattggtatc gctcacaatg cacacacata 960
cgagcgggaag ctnaattggt aagcgggggt gccatga 997

```

<210> 146

<211> 981

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1316219

<400> 146

```

gttttaaaatt tacttaataa atataaaaata ttgtatgttc ttaacttgaa gctcatattt 60
tcaagtaatt ccttgtctgg aattttctgt tgatctcatg ggtactaaga aacgaaatat 120
tctgttcatt ttcattttta aagaatatcg ataactgat gaccccagaa ggagttggcc 180
ttaccactgc cttacgtgtt ctctgtaatg ttgcatgccc accacctcct gttgaagggtc 240
aacagaaaaga tctgaaatgg aatcttgccg ttattcagct tttttctgct gaaggaatgg 300
acacgtttat tctgagttctg caaaaattga acagtattct gactcagcct tggaggctcc 360
atgtcaacat ggggactacc cttcacagag ttactactat ttcaatggct cgctgcacac 420
tactctttct taaaactatg ttaacggaac tcctgagagg tggatccttt gagtttaagg 480
acatgcgtgt tccttcagcg cttgttactt tacatatgct cctgtgctct atccccctct 540
caggtcgttt ggatagtgat gaacagaaaa ttcagaatga tatcattgat attttactga 600

```

cttttacaca	aggagttaat	gaaaaactca	caatctcaga	agagactctg	gccaataata	660
cttgggtcttt	aatgtttaaaa	gaagttcttt	cttcaatctt	gaagggtcct	gaaggatttt	720
tttctggact	catactcctt	tcagagctgc	tgcctcttcc	attgcccctg	caaacaactc	780
aggatatcact	tccatataac	atgcatctta	taaatgactg	cagtaacact	ttttaaaaag	840
ccagtgattt	tgtaaaaaaa	caaaaaccct	catctccctt	cctcccaaaa	agacataaaa	900
taaccggatg	agggggagat	aaaactgaaa	caagttggtc	attgaggaaa	tatgggggta	960
aaaattttta	ataaattttt	g				981

<210> 147
 <211> 526
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1329031

<400> 147	
ctgcaggccc	acctgtctgc aacccagctg aggccatgcc ctccccaggg accgtctgca 60
gctctctgct	cctcgggcat ctctggctgg acttggccat ggcaggctcc agcttcctga 120
gccctgaaca	ccagagagtc cagcagagaa aggagtcgaa gaagccacca gccaaagctgc 180
agccccgagc	tctagcaggc tggctccgcc cggaagatgg aggtcaagca gaaggggcag 240
aggatgaact	ggaagtccgg ttcaacgccc cctttgatgt tggaatcaag ctgtcagggg 300
ttcagtagca	gcagcacagc caggccctgg ggaagtttct tcaggacatc ctctgggaag 360
aggccaaaga	ggccccagcc gacaagtgat cgcccacaag ccttactcac ctctctctaa 420
gtttagaagc	gctcatctgg cttttcgctt gcttctgcag caactcccac gactgttgta 480
caagctcag	aggcgaataa atgttccaac ctggtaaaaa aaaaaa 526

<210> 148
 <211> 2090
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1483050

<400> 148	
gaggcgcggg	gagagtaggg tgctgtggtc tgagctagag ggtgaagctg gcggagcagg 60
aggatgggcg	tatgcagggt atagactaga gaacaagacc tctgtctccg tagcatcctg 120
gagcagctct	aatgccagaa tggataaccg ttttgctaca gcatttgtaa ttgcttgtgt 180
gcttagcctc	atttccacca tctacatggc agcctccatt ggcacagact tctgggatga 240
atatcgaagt	ccagttcaag aaaattccag tgatttgaat aaaagcatct gggatgaatt 300
cattagtgat	gaggcagatg aaaagactta taatgatgca ctttttcgat acaatggcac 360
agtgggattg	tggagacggg gtatcaccat acccaaaaac atgcattggg atagcccacc 420
agaaaggaca	gagtcatttg atgtgggtcac aaaatgtgtg agtttcacac taactgagca 480
gttcatggag	aaatttgttg atccccgaaa ccacaatagc gggattgatc tccttaggac 540
ctatcttttg	cgttgcaggt tccttttacc ttttgtgagt tttaggttga tgtgctttgg 600
ggcttttgat	ggacttttgg cttgcatttg ccgaagctta tatcccacca ttgccacggg 660
cattctccat	ctccttgcag gtctgtgtac actgggctca gtaagttggt atgttgctgg 720
aattgaacta	ctccaccaga aactagagct ccctgacaat gtatccgggt aatttggatg 780
gtccttctgc	ctggcttgtg tctctgctcc cttacagttc atggcttctg ctctcttcat 840
ctgggctgct	cacaccaacc ggaaagagta caccttaatg aaggcatatc gtgtggcatg 900
agcaagaaac	tgcctgtctt acaattgcc acaatttttt ttttaaaataa tactgatatt 960
ttccccacct	ctcaatttgt ttttaatttt atttgtggat ataccatttt attatgaaaa 1020
tctattttat	ttatacacat tcaccactaa atacacactt aataccacta aaatttatgt 1080
ggtttacttt	aagcgatgcc atctttcaaa taaactaatc taggtctaga cagaaagaaa 1140
tgatagagag	cttgacacaa atttatgaaa gaaaattggg agtaggaatg tgaccgaaaa 1200
caagttgtgc	taatgtctgt tagacttttc agtaaaacta aagtaactgt atctgttcaa 1260
ctaaaaactc	tatattagtt tctttgggaa acctctcatc gtcaaaactt tatgttcaat 1320
ttgctgttgt	agatagccag tcaaccagca gtatttagtg tgttttcaaa gatttaagct 1380
ctataaaatt	gggaaattat ctaagatcat tttccctaag cattgacaca tagcttcatc 1440
tgaggtgaga	tatggcagct gtttgtatct gcactgtgtc tgtctacaaa aagtgaaaaa 1500

tacagtgttt	acttgaaatt	ttaactttgt	aactgcaaga	attccagttc	agccgggcca	1560
ggattagtat	tatttttaac	tctccgtaag	attttcagta	ccaccaaatt	gttttggatt	1620
ttttttcttt	cctcttcaca	taccagggtt	attaaaagtg	tgctttcttt	ttacattata	1680
ttacagttac	aaggtaaaat	tctcaactg	ctatttattt	attccagccc	agtactataa	1740
agaacgtttc	accataatga	ccctccagag	ctgggaaacc	taccacaaga	tctaaagtct	1800
tggctgtcca	ttaacctcca	actatggtct	ttatttcttg	tggtaatatg	atgtgccttt	1860
ccttgccctaa	atcccttctt	ggtgtgtatc	aacattattt	aatgtcttct	aattcagtc	1920
tttttttata	agtatgtcta	taaaacattga	actttaaaaa	acttatttat	ttattccact	1980
actgtagcaa	ttgacagatt	aaaaaaatgt	aacttcataa	tttcttacca	taacctcaat	2040
gtctttttta	aaaaataaaa	ttaaaaatga	aaagagactc	aaaaaaaaaa		2090

<210> 149
 <211> 2403
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1514160

<400> 149						
gggagagagc	agcagagacc	tcatacagcag	accaaggaag	tggtgggtgc	tccccctccc	60
taagctccag	ggctccctgaa	tctttctgaaa	tctcaaataga	gtggaggcct	cctgggggtgg	120
cctgtcctgc	aggggcccctg	gaatgggggc	aagcagctgg	gtgggcagaa	tgacagagtag	180
actcggggga	ggatcctttc	actttccgct	tccccctctg	atgcatggag	gatgggtgtga	240
gcttttccagc	aggcccggaa	aggtaacgag	gtgacgcctt	agcagccccg	cagctgggtgc	300
tctgccccgc	ggtactggcg	ccatcagggc	ctccccctgc	cgcctgagag	cagcagcagt	360
ctctgtcatc	ccgtcgcccc	ttacccccca	ccccaggcca	ctgggcccct	cccacaccac	420
ctggggagct	gagaagagga	ggctggagta	agggaggact	tgatcatcca	agaaatactt	480
tttattgctg	ggagtcttct	gaacctcacc	aaactgaggc	cagagctgag	ctcctggggg	540
agttaattca	gaggggagag	gccagcacct	ccctcctcca	tcgctcgtgt	tgtgccttaa	600
actccatctc	atgtccctcc	ccatccccctg	gctttccctc	cctccttgcc	ccatcctggg	660
ccagccagca	gggctcctcc	tctggctctt	cagacctttc	agccagtgtc	gtcagtgtcc	720
ctggggaggc	agggcatccc	tgaggcaccc	gaatggtccc	tcaggggtgca	gggaggcaga	780
agcctggcca	cagaggagcc	tcctaaggca	gcagctgcag	caagcgcacc	ctctccccac	840
tctccccacg	ccagagcggc	ttccagagca	gatgctgttt	ccatcctcct	cgtcaaaaacc	900
attctcgtgt	ctgagcttga	caatctgggc	aaggcttgtg	gggcgcttga	caaacagaaat	960
ctgcctctgt	ccgcctgggt	ccgtggcctc	cagcatgagc	ctgcaggcag	ggcgctgcgg	1020
gaacccagtt	gtgctgcccc	agcccatgcc	tccgggtctg	ctgtgcatga	atgagtgtct	1080
acttgtcccg	ggttttaggac	gtggtcaagt	gaacagcagg	gtctaactgt	gcttacttag	1140
cccagttcaa	acagaacaaa	ggaaaaatat	agaaagcaac	atctgttgat	catttaggtt	1200
tttttttaaa	ccaccatgtc	actttgagtc	cttcatgggt	ttttgaacag	catttatcaa	1260
gaagaaaatg	tgggcttttt	ccctctctcc	gtgttttgtt	tgtcctgtag	atagagggag	1320
gaaagccgtg	cagtggcagg	cgggaccccc	tctgggtggc	ggacccccct	ttgcggtggg	1380
cttgccggggc	cagccgggac	ctgtcacttt	attatttaag	gagtgtgtgt	gtagagtcgc	1440
tggcttatta	acagtattgt	gtgtgggttg	ggtttttagt	ttgttccttc	tttttgaagt	1500
cccttcattt	caatccttga	ctctctctcc	ccttcccttg	cccagctctg	ttgaatgctg	1560
ctgtgcgcgt	gtgagggcgg	ctctgcacac	agggcccttg	ggttgtgtga	actgaaatc	1620
tccctgtatt	tgtgagactc	gcaggagtc	ccatctgtag	cacaggcaat	gccagtgcga	1680
tgctgcagcc	tcagaaacca	ggcctctcac	tccagcagca	ggcagaaccg	tgtctgtggg	1740
cgggtgctgt	ccacagctct	gtctgccttg	ttcttgggct	tgagctggat	agagggtggg	1800
tctcttcacc	ttccctgaat	tcagaacaga	ccctgtgcct	ggccccagtg	tgcccaggca	1860
attccccagg	ccctcatttg	gagcccttgg	tgctctgagc	agcaggggcc	aggcagcaca	1920
tgagcagtcg	ccaggggctc	cctgcgtgag	gacggcaagg	tgcatgttat	gtctaactta	1980
ttgatggcag	gcagccccct	gtgcccccta	agcctggccc	tggttatttg	tgagctctgt	2040
gctcagtgct	gcggcctggc	cgtggctcgt	ctgttccctt	ggggggcccg	ggcggtgtgt	2100
gggaatcagt	cttcacagac	agacgtgagc	caggcggagg	actcgttcc	tgacagagtc	2160
agtcctcacc	tgacaggtgc	gggggtgggg	ggggcaagga	ggggcaggca	cacaccatgt	2220
ctgacctgaa	cccgaattctg	gggagcatct	tcccgtctcc	gccccacgac	ctccacaggg	2280
ttacatttga	atatatatga	cccagctaac	ctgtctgatg	gtggcatctt	cctgcagaca	2340
tttcaaacat	gtaactttta	tatgaaaaaa	aataaacaca	gatgaaagct	gaaaaaaaaa	2400
aaa						2403

<210> 150
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1603403

<400> 150
 ggccaccggg acttcagtggt ctctcccatc ccaggagcgc agtggccact atgggggtctg 60
 ggctgcccct tgtcctcctc ttgaccctcc ttggcagctc acatggaaca gggccgggta 120
 tgacttttgca actgaagctg aaggagtcct ttctgacaaa ttctctctat gaggccagct 180
 tcctggaatt gcttgaaaag ctctgcctcc tcctccatct cccttcaggg accagcgtca 240
 ccctccacca tgcaagatct caacaccatg ttgtctgcaa cacatgacag ccattgaagc 300
 ctgtgtcctt cttggcccg gcttttgggc cggggatgca ggaggcaggc cccgaccctg 360
 tctttcagca ggccccacc ctctgagtg gcaataaata aaattcggtg tgctgaattc 420
 aaaaaaaaaa a 431

<210> 151
 <211> 2109
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1652303

<400> 151
 tttgtagcca agtgggagct attttctttt ttgtgcatat agatatttct taaatgaagc 60
 tgccttcttg tcttttattt ctaaaagccc ccttataccc cactttgtgc agcaaagatc 120
 cccgtgcagg tcacagcctg atttgtggcc aggcctggaca aattcctgag gcacaacttg 180
 gcttcagttc agatttcaag ctgtgttggt gttgggacca gcagaaggca aacgtccagc 240
 caacacacag gactgtaaga ggactctgag ctacgtgccc tgtgaagacc cccaggcttt 300
 gtcataaggag gtcgttcagc ttccccaaag tcagagggtg tttgatttgg ggaagactga 360
 atattcacac ctaagtctgt agcatatcct gagttttact tccttatggc ttgccctcca 420
 agttctctct ctcatacaca cacacaccct tgctccagaa tcaccagaca cctccatggc 480
 tccagctatg ggaacagctg cattggggct gcctttctgt ttggcttagg aacttctgtg 540
 cttcttgttg ctccactcgc gaggcagctc ggaggtgttg actccgattg ggctgcaggc 600
 agctctggga cggcacaggg cgggcgctct gatcagctcg tgtaaaacac accgtcttct 660
 tggcctcctg gccagtcctt ctgcgaatag tcctctccct ggccagttga atgggggaag 720
 ctgctggcac aggaaggaga ggcatcccc gctgaggctt aggaaattgc tggagccggc 780
 tccaagcaga taattcactg gggaggtttt cagagtcata catcattctg cctgtgttgg 840
 gggccagggt tgtcacacaa gcatctcaaa gtcaaaaagg atctggggct gctgcttctc 900
 tttctcaggc tctggggaaa ggaatctccc tctctctca cttgattcca agtgtggttg 960
 aattgtctgg agcactggga ctttttttct cttttccttg atggaccaac agtgcaaatg 1020
 caatctcgcc atttaacttt caggctcgatt tcctttcctg atcagacatc tttgtgcccc 1080
 ctttaggaag gaaaagaata cacctacgat gtgccaggca ctgtgttagg cgcttttata 1140
 tagatcctcg tttagatgag actaagggat gaggacatct ctttataaaa gggccctaag 1200
 taatggataa acagaaacac ttagagggtg gaaggtctgt cttcaagatc caaggtaaga 1260
 ttgccttcag tctgatgttt gttctcaagg acttatcccc tacaatatcc tccactcca 1320
 tacttctcct tctacccac catgtgctcc cgtgcactcc tcagatgggt agaggggtaa 1380
 cccaagtcct tagagaattt ggggaccaat agaatatgtg atgtgtgaat tttctttaaa 1440
 aaacttaagg agtcttttgc accttctgct tggtgagttg ttttggcatt catattaaaa 1500
 gccagcatct cactatttat tgacagggtg ggtgtgtgt gtgcgcatgt gtgtatacat 1560
 ttccaggcgt gcctgtgtcc ttagctttt taaaaggaaa cccagtcata ccactatgaa 1620
 tctggcatct tcttatgctt ctagtgtttt ggccatacat caaccaaggg gtttaattta 1680
 tccaatgctt gacgacatgt tcaggagggg ctggatcaaa ttttgagagg gttatgggaa 1740
 agggaggggg agaagaaatt gacattttat ttattattta ttttaaatgt ttacatcttc 1800
 tttatgttgt atcaagcctg aatagaaact gatagcatta aaatactccg ttctctcttc 1860
 tcttctcgct tccttttttt ttttttttaa atttaggata acacattttt gtttctaaag 1920
 tgatttgtga tttgtgtgtg ataaaactgta taaaagggtt tgttttttaa ggtggatttt 1980
 cattcctctg gggacagtgg tcgccaagac atctacattg taagagaaca cagtggaaga 2040
 tcctgtcctg attctcaaaa attattttct ctgtatgatt aaaagtttat tccattttaa 2100

aaaaaaaaa

2109

<210> 152
 <211> 1114
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1693358

<400> 152
 ggccggagca gctgtcaggc tgaagtccct cgagcgacgc gcggcggggc ggcgagagga 60
 aacgcggcgc cgggcccggc cgggccctgg agatgggcc cggcgccgcg ggctggtgtt 120
 gtctcgtgct ctggctcccc gcgtgcgtcg cggcccacgg cttccgtatc catgattatt 180
 tgtactttca agtgcctgagt cctggggaca ttcgatacat cttcacagcc acacctgcca 240
 aggacttttg tggatctctt cacacaaggt atgagcagat tcaccttgtc cccgctgaac 300
 ctccagaggc ctgcggggaa ctacgcaacg gtttcttcat ccaggaccag attgctctgg 360
 tggagagggg gggctgctcc ttcctctcca agactcgggt ggtccaggag cacggcgggc 420
 gggcggtgat catctctgac aacgcagttg acaatgacag cttctacgtg gagatgatcc 480
 aggacagtac ccagcgacac gctgacatcc ccgccctctt cctgctcggc cgagacggct 540
 acatgatccg ccgctctctg gaacagcatg ggctgccatg ggccatcatt tccatcccag 600
 tcaatgtcac cagcatcccc acctttgagc tgctgcaacc gccctggacc ttctggtaga 660
 agagtttgtc ccacattcca gccataagtg actctgagct gggaagggga aaccaggaa 720
 ttttgctact tggaattttg agatagcatc tggggacaag tggagccagg tagaggaaaa 780
 gggtttgggc gttgctaggc tgaaagggaa gccacaccac tggccttccc ttcccaggg 840
 cccccaaggg tgtctcatgc tacaagaaga ggcaagagac agggcccagg gcttctggct 900
 agaaccgaa acaaaaggag ctgaaggcag gtggcctgag agccatctgt gacctgtcac 960
 actcacctgg ctccagcctc cctaccccag ggtctctgca cagtgcctt cacagcagtt 1020
 gttggagtgg tttaaagagc tgggtgtttg ggactcaata aaccctcact gacttttttag 1080
 caataaagct tctcatcagg gttaaaaaaa aaaa 1114

<210> 153
 <211> 2192
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1707711

<400> 153
 ggaactcatg agccaacagc tgaagaaaacc cattgctaca gcttccagtt gaatgccggg 60
 gagaaacctg tccaatttta gcaggtttga agggaggatc ttcttcagtt gtagttttgga 120
 aggttccttg gtgtggctca tgaaatcaca gagctcagag ataccatctt gagaaatcct 180
 ccttggtatc atgaaactgg agcagaggaa ttgcaattta gcaggaggtc ctctactggt 240
 gataccctca ccttggggta atggtcctaa cccagaccca gggctctggaa gcttaattgt 300
 gagttggtga ctccagcctc tttctcctgg aggtcacaag atgatgattg cgtagatgtt 360
 gcctggtgca aagtgcacca aacagcaata gaaaggcata tgtataacca aactccaagt 420
 gataaccaga cccatctctc ctccaccttg acaaaagcag attatagtat acaaggtagg 480
 aattcctgtc ctatttgaga tgaactatat cctgtacctc tgtgctctgt gtctgcatga 540
 aggctcagcc tttagaggca ctcccttctag ttgcattagt actgtcttct tgtggagttt 600
 ggtttgaaga ctggctcagc aagtggagggt ttcaatgtat ttttcagttg gctcatcagc 660
 cagcattggt gaatttcag tttaggggaa cagttctagg gagtgaagaa tttttgggag 720
 cagaggaaaa ctctgctgat gttcggctct ggcaaacatt gagttatttt gagctgtgaa 780
 ggcagtcgtc tctgttacac agtggcagct cttgagttat gcactgtgaa gaatgagaag 840
 ggaaaagcaa aaattatcct tgtgaaatat ctgctgattg tgccctactc tttgcacctg 900
 acttttctca gttgtccttg tgctaacaca ggagctacac cttgatcctc tcctggcatg 960
 aaaataaaa aaaggttttc gttgtgtgtg ttccattggc catttcccc atgtgtgttt 1020
 tcccttggtc gatgcctcct ctgggtcaca ttgcttctta tcctgaacac ttgacacctt 1080
 gagggtagaa tttagcgttt ggtttttacc tcctagcata tgctgttttg tatgtgaggg 1140
 tttcagtaca aatgctgctg tctatttctg tgcacttaac aatggaacct aaacagaaga 1200
 gaataaagcc ttgataccaa aattgggaaa gaacatgtgt ccatttggac caaacgttgt 1260

```

tgggtttttaa aaaattttat tttgtttttt tgtttttgtt tttgtttttt ttcattcttaa 1320
tatgtaccag tggcacttaa ccaaaagata cagtgatata gccatgtact gtgggtggga 1380
cagatacagt ctctttggcc tataatgaaa ccactaggac tttatacagt ttctcttaat 1440
ttgttgacat ataaatggta aattatattt aggccttatcc tgttttgaaa tgatggtagt 1500
catctttctt actgctactt tcatgttgct ttctagaaaa cagcatttca ttccaaaata 1560
actaggatct gcatttagaa caagaatcat tatttgcctt gaccttttca gtccctacaga 1620
gacgcatctg tggttctttt gtacttgcca tagatgtaac ctaaaaagtt ttggcatatt 1680
taggtcagcc tagcggaact ttttttttca tttaaattgga gctgaataat ggagattttg 1740
tgtctgcaaa attcctgaga tcattgaaaa agtaacaagc tgttccttgt ttctgataca 1800
taaaattatt ttaagcattt tatcaatcat taaaattttac tgccagttgt gagtggcttt 1860
ttaattaact tgtctttcat tgcacttcac tctgcctgtt ttcaagggga gtaagattgg 1920
taacatttgg ggagactgta tctgtctact tagcgtggct gttttgaggg actgtcccat 1980
cagtgaacaa actgcatggc cttggagaga gactctgggc tcttggctca gatgtgttca 2040
tcaaatactc ctttcagagc tgttgtgggt gtaagtgaca tgatgtggcc aaaaatccaa 2100
actgtgcagt tgcgttgtga caaacatgca atgtgctgta aaaattcaat acagttttaa 2160
taaaatctct atattagtgc tgaaaaaaaa aa 2192

```

<210> 154
 <211> 913
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1738735

```

<400> 154
ctcgagcggc tcgagagcgg ggcaaactgc ttggcacctc ttcaataggt gacattcaat 60
gatagatctc tggcttcctg ctctgtttgt tctggttgcc ctggaaagcc tgctgctcag 120
cccatgcccc gggacttcct ccaccctcac caggacattc tttccatctc ttgtctcctg 180
tgtgcaagtc cttttctcct ggattccatg tcttgaatgt ttcttaattt acttcctcat 240
tttggcagag gatgtcctcc agttgttttc tgggaatgct aatatgcaag tgaaccagtg 300
acctgcagtt ctgcccacac aggggttaata accaatcaga ttctctcttt tcaagatggg 360
taacataaca gacaccaaga aagggaagag gagccgacag cagaggggga agctgaaaag 420
acgcacaaaag aatggccata aaagatatga gcaaccccag ctttcagac agtcactttt 480
cccagtggtc atacctggtc tgggaagattc cccatcatct cgaataaagc tgttgtttgt 540
tttaactcca tggagagacc gaatggagtg agcccagcag ggcatgctgg gcaagagagg 600
tcccccgagt cccaaataag aatttcaact agtataaaac gaggcagcga acccacacgt 660
ggaagtctga taccgcttgc agaagggaat tgaatagatg tctccctatt ggtaaggatg 720
tggttttatt gacttgaaat aacaaagccc gcaagcaaca actgatcatc cgcgggatgc 780
tgccacaagg aataattgag cactcattca gacacagggg aaaccactgc ctctttcagt 840
ctttctccca gattccaaca gtcagtgtta cagcatttca ccttgttcac ctccctgaga 900
agacgttgca ggg 913

```

<210> 155
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1749147

```

<400> 155
cttctgttca ggctgggatt acaggtgtga gccgctgcgc tcggccttct ttgattttat 60
attattagga gcaaaagtaa atgaagccca ggaaaacacc tttgggaaca aactcttcct 120
ttgatgaaa atgcagaggc ccttcctctc tgtgccgtgc ttgctcctct taactgcccg 180
ggtggtttgg ggggtgttggg gtttcctccc tggagaagat gggggaggct gtcccactcc 240
cagctctcgc agaattcaagc tgttgcagca gtgccttctt catccttcct tacgatcaat 300
cacagtctcc agaagatcag ctcaattgct gtgcaggtta aaactacaga accacatccc 360
aaaggtacct ggtaagaatg tttgaaagat cttccatttc taggaacccc agtcctgctt 420
ctccgcaatg gcacatgctt ccactccatc catactgcag tcgtcaaata aacagatatg 480

```

<210> 156
 <211> 545
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1817722

<400> 156
 caggctatta agaaaggcgg acccatgcac atgatttttaa aggttctgac aactgcattg 60
 ctgtttacaag ctgcttcagc ttttagctaata tacattcatt tctccagtta ctccaaagat 120
 ggaatagggg taccattttat gggaagtttg gcagaatttt ttgacatcgc ttcccaaatt 180
 cagatggttat actttactttt gagtctatgc atgggttgga caatagtcag aatgaagaag 240
 tctcaaagca gacctctcca gtgggatttct acacctgcat ccactggcat tgcagtattc 300
 attgtcatga cacagagtgt tttgctactt tgggaacagt ttgaagatat cagtcatcat 360
 agctaccatt cacaccacaa cttagcaggg atcctcctaa ttgttctaag aatttgccta 420
 gcattgtcat taggctgtgg actctatcag atcatcacag tggagagaag tacactcaaa 480
 agggagtctt acatcacatt tgccaaagta tgggtttgga aagaaaatgg tttattctga 540
 ttatc 545

<210> 157
 <211> 1746
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1831290

<400> 157
 ttggcatcag cttgggcagg tgtgcgggct caggatgggg cgcccggtgt gaggaaccct 60
 ggactctcag catcacaaaga ggcaacacca ggagccaaca tgagctcggg gactgaactg 120
 ctgtggcccg gagcagcgct gctgggtgctg ttgggggttg cagccagtct gtgtgtgctg 180
 tgctcacgcc cagggtgcaaa gaggtcagag aaaatctacc agcagagaag tctgcgtgag 240
 gaccaacaga gctttacggg gtcccggacc tactccttgg tcgggcaggc atggccagga 300
 cccctggcgg acatggcacc cacaaggaag gacaagctgt tgcaattcta cccagcctg 360
 gaggatccag catctttccag gtaccagaac ttcagcaaag gaagcagaca cgggtcggag 420
 gaagcctaca tagaccccat tgccatggag tattacaact gggggcggtt ctggaagccc 480
 ccagaagatg atgatgcaa ttcctacgag aatgtgctca tttgcaagca gaaaaccaca 540
 gagacaggtg cccagcagga gggcataggt ggcctctgca gaggggacct cagcctgtca 600
 ctggccctga agactggccc cacttctggt ctctgtccct ctgcctcccc ggaagaagat 660
 gaggaatctg aggattatca gaactcagca tccatccatc agtggcgaga gtccaggaag 720
 gtcattggggc aactccagag agaagcatcc cctggcccgg tgggaagccc agacgaggag 780
 gacggggaac cggattacgt gaatggggag gtggcagcca cagaagccta gggcagacca 840
 agaagaaagg agccaaggca aagagggacc actgtgctca tggaccatc gctgccttcc 900
 aaggaccatt tcccagagct actcaacttt taagcccctg ccatggttgc tcctggaagg 960
 agaaccagcc accctgagga ccacctggcc atgcgtgcac agcctgggaa aagacagtta 1020
 ctcacgggag ctgcaggccc gtccaccaagc cctctcccga cccaggcttt gtggggcagg 1080
 cacctggtac caagggtaac cgggctcctg gtatggacgg atgcgcagga tttaggataa 1140
 gctgtcaccc agtccccata acaaaaaccac tgtccaacac tggatatctgt gttcttttgt 1200
 gctatgaatt tggatttccta attgctattg ttggttgctg gggtttttaa tgattgataa 1260
 gcttgtagag ttaacttata gagggggagc catatttaac attctggatt tcagagtaga 1320
 gatttctgtg ttgtctccta gaaagcatta catgtagttt atttcagcat ccttggtggg 1380
 tggggccctg gctctcttcc cctttggtgg gacctcccct ttctttgggc ttcagttcac 1440
 tcaggaagaa atgaggctgt cgccatcttt atgtgcttcc agtggaaatg tcacttgcta 1500
 cagacaatag tgcattgagag tctagagaag tagtgaccag aacagggcag agtaggtccc 1560
 ctccatggcc ctgaatcctc ctctgctcca gggctggcct ctgcagagct gattaaacag 1620
 tgttgtagt gtctcatggg aagagctggg gccagaggg accttgagtc agaaatggtg 1680
 ccagaaaaag tatctcctcc aacaaaaaca tctcaataaa accatttttag ttgaaaaaaa 1740
 aaaaaa 1746

<210> 158
 <211> 2011
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1831477

```
<400> 158
ggagcacggc gctgggggccc cccgcagcgc tcaactcgctc gcaactcagtc gcgggagggt 60
tccccgcgcc ggccgcgctcc cggcccgctcc ccggcaccag aagttcctct gcgcgtccga 120
cggcgacatg ggcgccccca cggccccgga ggccggcagc tggcgctggg gatccctgct 180
cttcgctctc ttcttggtctg cgtccctagg tccggtggca gccttcaagg tcgccacgcc 240
gtattccctg tatgtctgtc ccgaggggca gaacgtcacc ctcacctgca ggctcttggg 300
ccctgtggac aaagggcagc atgtgacctt ctacaagacg tggtagcgca gctcgagggg 360
cgaggtgcag acctgctcag agcgccggcc catccgcaac ctacggttcc aggaccttca 420
cctgcaccat ggaggccacc aggtgccaa caccagccac gacctggctc agcgccacgg 480
gctggagtcg gcctccgacc accatggcaa cttctccatc accatgcgca acctgacct 540
gctggatagc ggctcttact gctgcctggt ggtggagatc aggcaccacc actcggagca 600
cagggtccat ggtgccatgg agctgcaggt gcagacaggc aaagatgcac catccaactg 660
tgtggtgtac ccatcctcct ccagggagag tgaaaacatc acggctgcag ccctggctac 720
gggtgcctgc atcgtaggaa tcctctgcct cccctcatc ctgctcctgg tctacaagca 780
aaggcaggca gcctccaacc gccgtgcccc ggagctggtg cggatggaca gcaacattca 840
agggattgaa aaccccggtt ttgaagcctc accacctgcc caggggatac ccgaggccaa 900
agtcaggcac cccctgtcct atgtggcccc gcggcagcct tctgagtctg ggcggcatct 960
gctttcggag ccagcacccc cctgtctccc tccaggcccc ggagacgtct tcttcccatc 1020
cctggacctt gtccctgact ctccaaactt tgaggctatc tagccagct gggggacagt 1080
gggctgttgt ggctgggtct ggggcaggtg catttgagcc agggctggct ctgtgagtgg 1140
cctccttggc ctcgccctg gtccctccc tctgtctctg ggctcagata ctgtgacatc 1200
ccagaagccc agccctcaa cccctctgga tgctacatgg ggatgctgga cggctcagcc 1260
cctgttccaa ggattttggg gtgctgagat tctcccctag agacctgaaa ttcaccagct 1320
acagatgcca aatgacttac atcttaagaa gtctcagaac gtccagccct tcagcagctc 1380
tcgttctgag acatgagcct tgggatgtgg cagcatcagt gggacaagat ggacactggg 1440
ccaccctccc aggcaccaga cacagggcac ggtggagaga cttctcccc gtggccgcct 1500
tggctcccc gttttgccc aggtgctct tctgtcagac ttctctttg taccacagt 1560
gctctggggc caggcctgcc tgcccaactg ccacgccac cttccccagc tgccctctac 1620
cagcagtttc tctgaagatc tgtcaacagg ttaagtcaat ctggggcttc cactgcctgc 1680
attccagtc ccagagcttg gtgggtccga aacgggaagt acatattggg gcatgggtgg 1740
ctccgtgagc aaatggtgtc ttgggcaatc tgaggccagg acagatgttg ccccaaccac 1800
tgagatggt gctgagggag gtgggtggg ccttctggga aggtgagtgg agaggggcac 1860
ctgccccccg cctcccccac cccctactcc cactgctcag cgcgggccat tgcaaggggt 1920
ccacacaatg tcttgtccac cctgggacac ttctgagtat gaagcgggat gctattaaaa 1980
actacatggg gaaacaggtg caaaaaaaaaa a 2011
```

<210> 159
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <221>
 <222> 440
 <223> a or g or c or t, unknown, or other

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1841607

```
<400> 159
cccacgcgtc cgaaaagaaa agaaaaaaga aaatggcctc atcttgtttc agcctcagtt 60
ttcctccctc cagtctggct gggagcttag ctctttgggg tcattgctgt gtcaggctgg 120
gttggtcctt ttggtctgtt tctgccatgg ccagcgcct tccctctcag aatacatata 180
atccccccct ctgctgggag tgggtgactca tgtctataat cccagctctt tgggaggcca 240
```

```

gggcgggtgg atcacttgag cctaggagtt cgaaaccagc ctgagcaaca tgggtgaaagc 300
ccatctctac gaaaaatgca aaagttagcc aggcattggt gtgcacgtct gtagaccagc 360
ctacttggga ggctgaggca ggaggatcct tgagcccagg aggcagaagc tgcagtggagc 420
tgtgatcgca ccactgctcn tcagcctggc gacagagcga gattccctca aaaaaaaaaa 480

```

<210> 160
 <211> 542
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1852391

```

<400> 160
ttgaatcaac ataatgtatg tgaaagggct tagtccatga ttgggtgott aatatgcccg 60
tgttgctggg gtgagccaaa gggatgaagt tggcagtgtc tgctctgtcg tggagcagtc 120
cccacgtggg aaggccagcg ggaaaccagg cctgctgaag tctccagcgc tgggaagcctc 180
acgggggtta ggaaggagcc ttgggagcag ctctctcagag cacagttgta cctcaattgt 240
ggattttaga tgtttctgtc tctcaatgtt ctctcttttt tctgctgtgc ttgcctgcct 300
tttggaacctc ttgctgtcta ggggtggcaga tgaagctttc taaaaacaac ccttcgctga 360
cgtgattggg tatgtgtatg ttgcaaaaact aattcctttt tctacatctg attctttcta 420
cttttgttta gagttaatgc tccttttatg tcaccagttg ctttgctttt taaattatct 480
caaattggca ctttgggggc tgcctaagaa ttgataagcg gggatgatgc tgttgatgaa 540
tc 542

```

<210> 161
 <211> 1066
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1854555

```

<400> 161
ttaggctttc tgtatttgtc tgaatgcttt cacgggagtg tgtcgcaactg gagcacagag 60
gacactcgat cgtgcgggcg gcagggcggg gggccgcccgc tgccctcccgc cgggatggct 120
ggcactgtgc tcggagtcgg tgccggcggtg ttcatcttag ccctgctctg ggtggcagtg 180
ctgctgctgt gtgtgctgct gtccagagcc tccggggcgg cgaggttctc tgtcattttt 240
ttattcttcg gtgctgtgat catcacatca gttctgttgc ttttcccgcg agctggtgaa 300
ttcccagccc cagaagtgga agttaagatt gtggatgact ttttcatttg ccgctatgtc 360
ctgctggcct tccttagtgc catcttcctt ggaggcctct tcttggtttt aatccattat 420
gttctggagc cgatctatgc caaaccactg cactcctact gaccactctt caggaaaacg 480
aaaacctgtt ctctccttca ttgtgatgac attgatgagc aggaaggcac tattcagagc 540
cttgttttga cagccctcat gccttaaggt tagaggagta tctgtccatc actaagacaa 600
atctctggag tcctggcttc cagaaacagg attgccaaat tgtccctgtg gggctagatt 660
cttaccagct taagaaggat attgctatct tcttagtacc cgtaccttag gatttccaac 720
tgttttgaaa gggaaatagt aacagtgatc tgcttagagt ggattttcac tcaagtcctt 780
agtaagtgga ttttggggaa aaaagcacat gggcttcttg ttctttttga taatatataa 840
aattattcat tatgaggttg cagttgtttg caaaggagag gcaactcaaat ttgaaagggt 900
attttaatgt gataattttg aagacttact cagatgttgg tcattgacca ctctgtgcat 960
atatttctgc agagctctgt gaaggcaatg agtgtcactt ccctctgctc taataaagca 1020
ataaataata gctaaagggc tgactttcac ttcgaaaaaa aaaaaa 1066

```

<210> 162
 <211> 1173
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> Incyte Clone No: 1855755

<400> 162

```

gtctcgctcc tgcacagccc gggcggtctg ccttgggtgc tcccttccct gcccgacacc 60
cagaccgacc ttgaccgccc acctggcagg agcaggacag gacggccgga cgcggccatg 120
gccgagctcc cggggccctt tctctgcggg gccctgctag gcttccctgtg cctgagtggg 180
ctggccgtgg aggtgaaggt acccacagag ccgctgagca cgcacctggg gaagacagcc 240
gagctgacct gcacctacag cacgtcgggtg ggagacagct tcgccctgga gtggagcttt 300
gtgcagcctg ggaaacccat ctctgagtcc catccaatcc tgtacttcac caatggccat 360
ctgtatccaa ctggttctaa gtcaaagcgg gtcagcctgc ttcagaacct cccacagtg 420
ggggtggcca cactgaaact gactgacgtc caccctcag atactggaac ctacctctgc 480
caagtcaaca acccaccaga tttctacacc aatgggttgg ggctaataca cttactgtg 540
ctggttcccc ccagtaatcc cttatgcagt cagagtggac aaacctctgt gggaggctct 600
actgcactga gatgcagctc ttccgagggg gctcctaagc cagtgtacaa ctgggtgcgt 660
cttggaaactt ttcctacacc ttctcctggc agcatgggtc aagatgaggt gtctggccag 720
ctcattctca ccaacctctc cctgacctcc tcgggcacct accgctgtgt ggccaccaac 780
cagatgggca gtgcacctg tgagctgacc ctctctgtga ccgaacctc ccaaggccga 840
gtggccggag ctctgattgg ggtgctcctg ggcgtgctgt tgctgtcagt tgctgcgttc 900
tgcctggtca ggttccagaa agagaggggg aagaagccca aggagacata tgggggtagt 960
gaccttcggg aggatgccat cgctcctggg atctctgagc acacttgtat gagggtgat 1020
tctagcaagg ggttccctga aagacctcg tctgcagca ccgtgacgac caccaagtcc 1080
aagctcccta tggctcgtgtg acttctccc atccctgagg gcggtgaggg ggaatatcaa 1140
taattaaagt ctgtgggtac caaaaaaaaaaaa aaa 1173

```

<210> 163

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1861434

<400> 163

```

ctcgagccgg agagatcctc taccgcagtc gtttgaggag gcggaactga agttttttct 60
taattatcat gtgacgggtt ctggatttaa tggggggaaa agggcggaag aggacaagga 120
tccaaactgg cgaatttgct gatcttcgcg tccctctccg ctttccggcc ggcagcgctg 180
ccagggtata tttccttttt tccgatcctg caacagcctc tttaaactgt ttaaatagaga 240
atgtccttgg ctacagagag actactcacc tggcttttca cactactctt cttgatcatg 300
ttggtgttga aactggatga gaaagcacct tggaaactgg tcctcatatt cattccagtc 360
tggtatattg atactatcct tcttgtcctg ctgattgtga aaatggctgg gcggtgtaag 420
tctggctttg accctcgaca tggatcacac aatattaaaa aaaaagcctg gtacctcatt 480
gcaatgttac ttaaaattag cttctgcctc gcactctgtg ctaaaactgga acagtttact 540
accatgaatc tatcctatgt cttcattcct ttatgggctt tgctggctgg ggctttaaca 600
gaactcggat ataattgtct ttttgtgaga gactgacttc taagtacatc atctcctttc 660
tattgctgtt caacaagtta ccattaaagt gttctgaatc tgtcaagctt caagaatacc 720
agagaactga gggaaaatac caaatgtagt tttatactac ttccataaaa caggattggg 780
gaatcacgga cttctagtca acctacagct taattattca gcatttgagt tattgagatc 840
cttattatct ctatgtaaat aaagtttggt ttggacctca aaaaaaaaaa 890

```

<210> 164

<211> 806

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1872334

<400> 164

```

tgcacagctg cccaggcaag cccaggagtt gacatttctc tgcccagcca tgggcctcac 60
cctgctcttg ctgctgctcc tgggactaga aggtcagggc atagttggca gcctccctga 120
ggtgctgcag gcacctgtgg gaagctccat tctggtgcag tgccactaca ggctccagga 180

```

tgtcaaagct	cagaaggtgt	ggtgccgggt	cttgccggag	gggtgccagc	ccttgggtgtc	240
ctcagctgtg	gatcgagag	ctccagcggg	caggcgtagc	tttctcacag	acctgggtgg	300
gggctgtctg	caggtggaaa	tggttaccct	gcaggaagag	gatgctggcg	agtatggctg	360
catggtggat	ggggccaggg	ggccccagat	tttgacacaga	gtctctctga	acatactgcc	420
cccaggtgag	ttatcctagg	ccagctacca	ccccttagac	ctaccctccc	cacccccgcc	480
tattgccagg	gctcatgggt	tcttgaggag	tgggggcccc	tggggaggag	gcattccaag	540
gagatatacct	cttgacagct	ctgcagggag	cggaaaccaa	actgggtggg	aagtctgaga	600
taaatcagct	gaaaaccatc	cctttccccc	ttccacacta	ctgcgcttcc	ccacaggaag	660
gcatgtcctt	cccactccag	ggacttgccc	tcttcttcca	gcattttcaa	catacttgat	720
gctaacttat	tttttaatta	gaaatatttt	aaacaatgtt	gaatctgagt	gtataaaaaca	780
gaataatttt	tgtagctcca	gtgtttt				806

<210> 165
 <211> 1923
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1877230

tggccggcaa	gcagggctgc	agtcacgggg	cggcgcgagg	ggccccagcc	cagtcagggg	60
tgtggccgcc	gccaccgtaa	ggctaggccg	cgagcttagt	cctgggagcc	gcctccgtcg	120
ccgccgtcag	agccgcccta	tcagattatc	ttaacaagaa	aaccaactgg	aaaaaaaaat	180
gaaattcctt	atcttcgcat	ttttcggtgg	tggtcacctt	ttatccctgt	gctctgggaa	240
agctatatgc	aagaatggca	tctctaagag	gacttttgaa	gaaataaaaag	aagaaatagc	300
cagctgtgga	gatgttgcta	aagcaatcat	caacctagct	gtttatggta	aagcccagaa	360
cagatcctat	gagcgattgg	cacttctggt	tgatactgtt	ggaccagac	tgagtggctc	420
caagaaccta	gaaaaagcca	tccaaattat	gtacccaaaac	ctgcagcaag	atgggctgga	480
gaaagttcac	ctggagccag	tgagaatacc	ccactgggag	aggggagaag	aatcagctgt	540
gatgctggag	ccaagaattc	ataagatagc	catcctgggt	cttggcagca	gcattgggac	600
tcctccagaa	ggcattacag	cagaagttct	ggtggtgacc	tctttcgatg	aactgcagag	660
aagggcctca	gaagcaagag	ggaagattgt	tgtttataac	caaccttaca	tcaactactc	720
aaggacgggtg	caataccgaa	cgcagggggc	ggtggaagct	gccaaaggtt	gggctttggc	780
atctctcatt	cgatccgtgg	cctccttctc	catctacagt	cctcacacag	gtattcagga	840
ataccaggat	ggcgtgcccc	agattccaac	agcctgtatt	acggtggaag	atgcagaaat	900
gatgtcaaga	atggcttctc	atgggatcaa	aattgtcatt	cagctaaaga	tgggggcaaa	960
gacctaccca	gatactgatt	ccttcaaacac	tgtagcagag	atcactggga	gcaaatatcc	1020
agaacagggt	gtactggtca	gtggacatct	ggacagctgg	gatgttgggc	agggtgccat	1080
ggatgatggc	ggtggagcct	ttatatcatg	ggaagcactc	tcacttatta	aagatcttgg	1140
gctgcgtcca	aagaggactc	tgcggctggt	gctctggact	gcagaagaac	aaggtggagt	1200
tggtgccttc	cagtattatc	agttacacaa	ggtaaattat	tccaactaca	gtctggtgat	1260
ggagtctgac	gcaggaacct	tcttaccac	tgggctgcaa	ttcactggca	gtgaaaaggc	1320
cagggccatc	atggaggagg	ttatgagcct	gctgcagccc	ctcaatatca	ctcaggtcct	1380
gagccatgga	gaagggacag	acatcaactt	ttggatccaa	gctggagtgc	ctggagccag	1440
tctacttgat	gacttataca	agtattttct	cttccatcac	tcccacggag	acaccatgac	1500
tgtcatggat	ccaaagcaga	tgaatgttgc	tgctgctgtt	tgggctgttg	tttcttatgt	1560
tgttgcagac	atggaagaaa	tgctgcctag	gtcctagaaa	cagtaagaaa	gaaacgtttt	1620
catgcttctg	gccaggaatc	ctgggtctgc	aactttggaa	aactcctctt	cacataacaa	1680
tttcatccaa	ttcatcttca	aagcacaact	ctatttcatg	ctttctgtta	ttatctttct	1740
tgatactttc	caaattctct	gattctagaa	aaaggaatca	ttctcccctc	cctcccacca	1800
catagaatca	acatatggta	gggattacag	tgggggcatt	tctttatatc	acctcttaaa	1860
aacattgttt	ccacttttaa	agtaaacact	taataaattt	ttggaagatc	aaaaaaaaaa	1920
aaa						1923

<210> 166
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> Incyte Clone No: 1877885

<400> 166

```

ttgacaccag caggggtgaca tccgctattg ctacttctct gctccccac agttcctctg 60
gacttctctg gaccacagtc ctctgccaga cccctgccag accccagtc accatgatcc 120
atctgggtca catcctcttc ctgcttttgc tcccagtggc tgcagctcag acgactccag 180
gagagagatc atcactccct gccttttacc ctggcacttc aggctcttgt tccggatgtg 240
ggtccctctc tctgccgctc ctggcaggcc tctgtgctgc tgatgcggtg gcatcgctgc 300
tcatcgtggg ggcggtgttc ctgtgcgcac gccacgccg cagccccgcc caagaagatg 360
gcaaagtcta catcaacatg ccaggcaggg gctgacctc ctgcagcttg gacctttgac 420
ttctgacctc ctcatcctgg atggtgtgtg gtggcacagg aacccccgcc ccaacttttg 480
gattgtaata aaacaattga aacaccaaaa aaaaaaaaa 518

```

<210> 167

<211> 1631

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1889269

<400> 167

```

gcgagctctc agcgggagcc gagacgggtgc agggccggag aagcaccttc actcccagcc 60
tgcgccccga tgctgcgcgt tctgtgcctc ctgcgcccct ggaggcccct tccggccgc 120
ggctgcgctt ccgacggggc ggccgggggc tcagagatcc aagtgcgcgc cctggcgggt 180
ccggaccaag gctgtagggt ccatgaggac aggccttgag tctgtcctgg tctctggaat 240
cacggtgtct agtagaggcc agcacacagc aaatatataa atgtacaaat gagtgaatga 300
agagaatctg attggcctta aggaacttac gcacttaaaa taattgggca gaagagaagc 360
agtgaaggag tgcagaggca tcacctgaaa gtttacaagt ccttccactt tctctctgag 420
gcagaaaagag caagggtttt tctctccatt ttatggttgg gaaaattgag gcctgcctga 480
gtgtgtgact tgtggcaagt cactctggtc atctagggca gaggctcccc agatcccagg 540
cctcctgcct ccagtccccca gcccgccagc caggattagg cagagccagc tgctttcccg 600
tggtgcctt gactccttac agggatcact gagattctga tgaacagacc ttctgcccgc 660
aatgccttg ggaatgtctt cgtcagtgcg ctgctggaaa ctctggccca gctgcgggag 720
gaccggcaag tgcgtgtcct gctcttcaga agtggagtga agggcgtggt ctgtgcagg 780
gcagacctga aggagcggga acagatgagt gaagcagagg tgggggtggt tgtccagcga 840
ctccggggcc tgatgaatga catcggtgag gatctgggtg tagggtggag gagggggttt 900
gggggtccct gccgatgaca gtcccgctac ccccaccagc atctaaggag agtcttcttt 960
ctgtttggag ttctgtgata agacagatga ctcaccagg gggatggagg aggatgaccg 1020
agggcagttc tctcagagag ggagttctgg ctcttcagct tttgtgtccc gccccaccct 1080
cagggttcaa gcctggccat tccaaagcag ttaagtttcc ccaagcatgc tttcaagttt 1140
tgacaattgc tgttaccttt gcctgagata ccccttcttg gttacttgaa cttttacttg 1200
tccttcaagg cctccagtac ctctcctcc aggaagcctt cccaaccac cctctgagct 1260
ttttattgga gcactgatga tcctgggtca ataatgcctg atacacattt gtcttcccca 1320
tgagactgag ccccatggga acaaaggcta tgtctgattc attctgtgtt ccagttccc 1380
agcaccagc acagggttg gcacaaagaa agggaggccc caggagggcc agcggattag 1440
gcctgaacag ggatcatcca gcccatcctc ccattcctct tccctggctg attctgtaac 1500
tttccctaaa gggaaaattg gcttctgaga taacctggct gcgggaagca gaggttgtcg 1560
tgagcagaga ttgtgccatt gcactccagc ctgggcaaca acagcgagac tccatctcaa 1620
aaaaaaaaa a 1631

```

<210> 168

<211> 1548

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1890243

<400> 168

```

atgcgctcca gcagcctggt tgggaagcag cagtctctcc ttcagatact gtgggactca 60

```

```

tgctggagag gagccgcccc cttccaggac ctgtgaataa gggctaataa tgaggggttg 120
tggggctctc tgtggggcaa aaaggtggta tgggggttag cactggctct cgttctcacc 180
ggagaaggaa gtgttctagt gtggttttag aaacatgtgg ataaagggaa ccatgaaaat 240
gagaggagga aagacatcca gatcagctgt tttgcctgtt gctcagttga ctctgattgc 300
atcctgtttt cctaatccccc agactgttct gggcacggaa gggaccctgg atgtggagtc 360
ttccccctttg gccctcctca ctggcctctg ggctagccca gagtccctta gcttgtagct 420
cgtaaacactc ctgtgtgtct gtccagcctt gcagtcatgt caaggccagc aagctgatgt 480
gactcttgcc ccatgcgaga tatttatacc tcaaactctg gcctgtgagc cctttccaag 540
tcagtggaga gccctgaaag gagcctcact tgaatccagc tcagtgtctt ggggtggccc 600
ctgcaggtgg cccctgacct tgcgttgca cagggtccac ctgtgagcag gcccgccctg 660
gggcctcttc ctggatgtgc cctctctgag ttctgtgtct tctcttgag gcagggccca 720
ggagaacaaa gtgtggaggc ctgggggagt ggcttttcca gctctcatgc cccgcagtgt 780
ggaacaaggc agaaaaggat cctaggaaat aagtctcttg gcggtccctg agagtccctg 840
tgaaatccag ccagtgtttt ttgtggtatg agaacaggca aaaagagatg ccccgagata 900
gaaggggagc cttgtgtttt tttcctgcag acgtgagatg aacactggag tgggcagagg 960
tggcccagga ccatggcacc cttagagtgc agaagctggg gggagaggct gcttcgaagg 1020
gcaggactgg ggataatcag aacctgcctg tcacctcagg gcatcactga acaaacattt 1080
cctgatggga actcctgcgg cagagcccag gctggggaag tgaactaccc agggcagccc 1140
ctttgtggcc caggataatc aacactgttc tctctgtacc atgagctcct ccaggagatt 1200
atttaagtgt attgtatcat tggttttctg tgattgtcat aacattgttt ttgttattgt 1260
tggtgctgtt gttattttatt attgtaattt cagtttgctt ctactggaga atctcagcag 1320
gggtttcagc ctgactgtct cctttctct accagactct acctctgaat gtgctgggaa 1380
cctcttgag cctgtcagga actcctcact gtttaaatat ttatttattg tgacaaatgg 1440
agctggtttc ctagatatga atgatgtttg caatcccat tttcctgttt cagcatgtta 1500
tattcttata aaataaaagc aaaagtcaaa tatgaaaaaa aaaaaaaa 1548

```

<210> 169
 <211> 616
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1900433

```

<400> 169
gccagctcag gtgagccctc gccaaaggta cctcgcagga cactggtgaa ggagcagtga 60
ggaacctgca gagtcacaca gttgctgacc aattgagctg tgagcctgga gcagatccgt 120
gggctgcaga ccccgcccc agtgccctct cccctgcagc cctgccccct gaactgtgac 180
atggagagag tgaccctggc ccttctccta ctggcaggcc tgactgcctt ggaagccaat 240
gacccatttg ccaataaaga cgatcccttc tactatgact ggaaaaacct gcagctgagc 300
ggactgatct gcggagggtc cctggccatt gctgggatcg cggcagttct gagtggcaaa 360
tgcaaataca agagcagcca gaagcagcac agtcctgtac ctgagaaggc catcccactc 420
atcactccag ctgactgtct tacttgcctg gcacaggact ggcctccagg gatggcctga 480
agcctaacac tggccccag cacctcctcc cctgggaggc cttatcctca aggaaggact 540
tctctccaag ggcaggctgt taggccccct tctgatcagg aggcttcttt atgaattaaa 600
ctcgcaccac caccac 616

```

<210> 170
 <211> 1981
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1909441

```

<400> 170
cagaacttct ttttgacacc atagattctt ctgaggtcaa cgttgcaaaa agcatagcaa 60
agtttcttcg aaatggttaga tatcgttatc aaccactatt agaaagatgt aataacgtat 120
ttttaagtaa tgtggaccac cttgatttgg attccatcag taaaatactt agtgatata 180
aatttctaca atttaatagt tttgaattta ttataatggc taaaaagaag ctaactgaaa 240
tgattcctct gtgtaatcat cctgctagct ttgtaaaatt gttttagaca ttgggaccca 300

```

```

ttgcaggacc tgaagaaaag aaacaactta aatcaactat gttattgatg tcagaggacc 360
taactggcga gcaagccctg gcagtggttg gagcaatggg agatatggaa agcagaaact 420
catgtctgat taaaagagtt acttcagttc tgcataaaca tttggatggc tataaaccat 480
tagagttggt gaagataact caagaattga cttttctgca tttccaaagg aaggagtttt 540
ttgcgaaact tagagaatta ctgcttagtt atttgaaaaa tagtttcata ccaactgagg 600
tgtctgttct ggtccgtgct atttccctgc tcccttctcc tcaactggac gaagtgggga 660
tatcccgaat tgaagccgtt ttaccacagt gtgacctaaa taacctgagt agttttgcca 720
catctgtttt aagatggatt cagcatgatc acatgtattt ggataatatg actgcgaaac 780
aactgaaact acttcaaaaa ttagatcact atgggtcgtca gagactacaa cacagcaaca 840
gtttggatct gttacggaag gaacttaaat ctctcaaagg aaacacgttt cctgagtcac 900
ttcttgaaga aatgattgct actttacagc atttcatgga tgatattaat tacataaatg 960
ttggggagat tgcacttttt atttctagta ctgattacct cagtactttg ctactagata 1020
ggatagcctc agtggctggt cagcagattg aaaagatcca tcctttttaca atccctgcta 1080
ttattcgtcc attcagcgta ttgaactatg atccacctca aagggatgaa tttttgggaa 1140
cttgcggtga acatcttaat tcttacttag gtatatggga tcctttttata ttagtgtttc 1200
ttggtttctc tttggccaca cttgaatatt ttccagaaga tctgctaaag gcaattttta 1260
acatcaaatt cttagctaga ttggattctc aacttgaaat tttatctcca tctcgaagtg 1320
caagagtcca gtttcatctt atggagttaa atagatcagt ctgcttgga tgccctgagt 1380
ttcagattcc atggtttcat gaccgcttct gtcaacaata taataaagggt attggtggca 1440
tggtatggaac acaacagcag attttttaaaa tgtagcaga ggtactagga ggaatcaatt 1500
gtgtaaaagc ctcggttctt acgccttatt accacaaagt agattttgag tgtatcttgg 1560
ataaaagaaa aaaacctctt ccgtatggaa gccataatat agcattggga caactaccag 1620
aaatgccctg ggaatcaaat atcgaaatag ttggatcaag gctgccacca ggggctgaaa 1680
ggattgcttt ggaatttttg gattcaaaag cactttgtag aaatatccct cacatgaaag 1740
gaaaatctgc tatgaaaaaa cgacatttgg aaattctggg gtatcgtgta attcagattt 1800
cccagtttga atggaactct atggcactgt caacaaagga tgctcggatg gactacctga 1860
gagaatgtat atttgagaa gtcaagtcac gttttagttt tttattttaa atgaatgtta 1920
tcgtgtgtta catttggacc tattttaata aagtggcctg tctcaattaa aaaaaaaaaa 1980
g

```

<210> 171
 <211> 1492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1932226

```

<400> 171
cttctgggtg aggagtttga gcttggctgg gtccagggcc cagcactgac tcccgtccct 60
gaggaggagg aagaagagga agagggggct ccgattggga cccctagga tcctggagat 120
ggtgtctctt cccccgacat ccctcctgaa cccctccaa cacacctgag gccctgccct 180
ggcagccagc tccctggact cctgtcccat ggctcctgg ccgctctctc ctttgacagt 240
gggtcctcct ctggcctcct gcccctcctg ctgctgctgc tgcttccatt gctggcagcc 300
cagggtgggg gtggcctgca ggcagcgtg ctggcccttg aggtggggct ggtgggtctg 360
ggggcctcct acctgctcct ttgtacagcc ctgcacctgc cctccagtct tttcctactc 420
ctggccccag gtaccgcaact gggggccgtc ctgggcctga gctggcgccg aggcctcatg 480
ggtgttcccc tgggccttgg agctgcctgg ctcttagctt ggccaggcct agctctacct 540
ctggtggcta tggcagcggg gggcagatgg gtgcggcagc agggcccccg ggtgcgcccg 600
ggcatatctc gactctgggt gcgggttctg ctgcgcctgt caccatggc cttccggggc 660
ctgcagggtg gtggggctgt gggggaccgg ggtctgtttg cactgtacct caaaaccaac 720
aaggatggct tccgcagcgg cctgcccgtc cctgggcccc ggcggcgtaa tccccgcacc 780
acccaacacc cattagtctt gtttgcaagg gtctgggtcc tgtgcaaggg ctggaactgg 840
cgtctggcac gggccagcca gggtttagca tcccacttgc ccccggtggc catccacaca 900
ctggccagct ggggcctgct tcggggtgaa cggcccaccc gaatcccccg gctactacca 960
cgcagccagc gccagctagg gcccctgcc tcccgcagc cactgccagg gactctagcc 1020
gggcgagggt cacgcaccgg ccagtcccgg gccctgcccc cctggaggta gctgactcca 1080
gcccttccag cccaaatcta gagcattgag cactttatct cccacgactc agtgaagttt 1140
ctccagctcc tagtctctc ttttcaccca ccttctcag tttgctcact taccacaggc 1200
ccagccttcc ggacctctag acaggcagcc tccctcagct tggagtccag cagtactct 1260
gtgttctcct ggcgtcctc ccctaagtta ttgctgttcg cccgctgtgt gtgctcatcc 1320
tcaccctcat tgactcaggc ctggggccag ggggtgtgga ggggtgggag agtcatgttt 1380
tttttctcct ctttgatttt gtttttctgt ctcccttcca acctgtcccc tttccccccac 1440

```

caaaaaaaga aaaagacaaa cacaaataaa atatctgagc ggaaaaaaaa aa 1492

<210> 172
 <211> 1613
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1932647

<400> 172
 ctcggaattc ggctcgagac gggtcatgag cgcggtatta ctgctggccc tcctgggggtt 60
 catcctccca ctgccaggag tgcaggcgct gctctgccag tttgggacag ttcagcatgt 120
 gtggaagggtg tccgacctac cccggcaatg gacccttaag aacaccagct gcgacagcgg 180
 cttgggggtgc caggacacgt tgatgtcat tgagagcgga cccaagtga gcctgggtgct 240
 ctccaagggc tgacggagg ccaaggacca ggagccccgc gtcactgagc accggatggg 300
 ccccggcctc tccctgatct cctacacctt cgtgtgccgc caggaggact tctgcaacaa 360
 cctcggttaac tccctccgc tttgggcccc acagcccca gcagaccag gatccttgag 420
 gtgccagtc tgcttgtcta tgggaaggctg tctggagggg acaacagaag agatctgccc 480
 caaggggacc acacactgtt atgatggcct cctcaggctc aggggaggag gcatcttctc 540
 caatctgaga gtccagggat gcatgcccc gccagggtgc aacctgctca atgggacaca 600
 ggaaattggg cccgtgggta tgactgagaa ctgcaatagg aaagattttc tgacctgtca 660
 tcgggggacc accattatga cacacggaaa cttggctcaa gaaccactg attggaccac 720
 atcgaatacc gagatgtgcg aggtggggca ggtgtgtcag gagacgctgc tgctcataga 780
 tgtaggactc acatcaacct tgggtggggac aaaaggctgc agcactgttg gggctcaaaa 840
 tccccagaag accaccatcc actcagcccc tcctgggggtg cttgtggcct cctataccca 900
 cttctgtctc tcggacctgt gcaatagtgc cagcagcagc agcgttctgc tgaactccct 960
 ccctcctcaa gctgccccctg tcccaggaga ccggcagtggt cctacctgtg tgcagccccct 1020
 tggaacctgt tcaagtggct cccccgaatg gacctgcccc aggggcgcca ctcatgttta 1080
 tgatgggtac attcatctct caggagggtg gctgtccacc aaaatgagca ttcagggctg 1140
 cgtggcccaa ccttcacagt tcttggtgaa ccacaccaga caaatcgga tcttctctgc 1200
 gcgtgagaag cgtgatgtgc agcctcctgc ctctcagcat gagggagggtg gggctgaggg 1260
 cctggagtct ctacttggg ggggtggggt ggcaactggc ccagcgctgt ggtggggagt 1320
 ggtttgccct tcctgctaac tctattaccc ccacgattct tcaccgctgc tgaccacca 1380
 cactcaacct cctctgacc tcataacct atggccttgg acaccagatt ctttccatt 1440
 ctgtccatga atcatcttcc ccacacacaa tcattcatat ctattcacct aacagcaaca 1500
 ctggggagag cctggagcat ccggacttgc cctatgggag aggggacgct ggaggagtgg 1560
 ctgcatgtat ctgataatac agaccctgtc ctttctccca aaaaaaaaaa aaa 1613

<210> 173
 <211> 1622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2124245

<400> 173
 tgtcgcgccc gctggccggc tccgccctca cctcccgccc gcggctgccc tctgcccggg 60
 ttgtccaaga tggagggcgc tccaccgggg tcgctcgccc tccggctcct gctgttcgtg 120
 gcgtaccccg cctccggctg gctgacgacg ggcgcccccg agccgcgcgc gctgtccgga 180
 gccccacagg acggcatcag aattaatgta actacactga aagatgatgg ggacatatct 240
 aaacagcagg ttgttcttaa cataacctat gagagtggac aggtgtatgt aaatgactta 300
 cctgtaaata gtggtgtaac ccgaataagc tgtcagactt tgatagtga gaatgaaaat 360
 cttgaaaatt tggaggaaaa agaataatgtt ggaattgtca gtgtaaggat tttagtctcat 420
 gagtggccta tgacatcttg ttccagtttg caactaattg tcattcaaga agaggtagta 480
 gagattgatg gaaaacaagt tcagcaaaaag gatgtcactg aaattgatat tttagttaag 540
 aaccggggag tactcagaca ttcaactat accctccctt tggaagaaag catgctctac 600
 tctatttctc gagacagtga cttttatct acccttccca acctctccaa aaaagaaagt 660
 gttagtctac tgcaaacacc tagccagtat cttatcagga atgtggaaac cactgtagat 720

```

gaagatgttt  tacctggcaa  gttacctgaa  actcctctca  gagcagagcc  gccatcttca  780
tataaggtaa  tgtgtcagtg  gatggaaaag  tttagaaaag  atctgtgtag  gttctggagc  840
aacgttttcc  cagtattctt  tcagtttttg  aacatcatgg  tggttggaat  tacaggagca  900
gctgtggtaa  taacctatct  aaaggtgttt  ttcccagttt  ctgaatacaa  aggaattctt  960
cagttggata  aagtggacgt  catacctgtg  acagctatca  acttatatcc  agatgggtcca  1020
gagaaaagag  ctgaaaacct  tgaagataaa  acatgtattt  aaaacgccat  ctcatatcat  1080
ggactccgaa  gtagcctgtt  gcctccaaat  ttgccacttg  aatataattt  tctttaaatc  1140
gttaagaatc  agttttatata  ctagagaaat  tgctaaactc  taagactgcc  tgaaaattga  1200
cctttacagt  gccaaagttaa  agtttacctt  attctcggcc  ggggtgcagt  gctcatgcct  1260
gtaatccag  gactttggga  ggccaatgcg  ggcgatcac  gaggtcagat  caagaccatc  1320
ctgccaacat  ggtgaaacct  tgtctctact  aaaaaaata  aaaaaattag  ctgggtgtgg  1380
cgggtgcacgc  ctgtagtccc  agctacttgg  gaggtgagg  caggagaatt  gcttgaaccc  1440
gggaggcgga  ggctgcagtg  agccaggatc  acgccactgc  actccagcct  ggggtgacaga  1500
gcgagactct  gtttcaaaaa  aaaaaaagtt  gacctattc  tctaaaagg  ctggctattc  1560
atatgatgaa  ttgttaagga  aaacttaaa  tggacaagaa  caggatgtga  agagaggtga  1620
tg                                     1622

```

```

<210> 174
<211> 1320
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2132626

```

```

<400> 174
gcgtgaccca  gctgcggcgc  gccagccatg  gagactggag  cgctgcggcg  cccgcaactt  60
ctcccgttgc  tgctgctgct  ctgcggtggg  tgtcccagag  caggcggctg  caacgagaca  120
ggcatgttgg  agaggctgcc  cctgtgtggg  aaggctttcg  cagacatgat  gggcaagggtg  180
gacgtctgga  agtggtgcaa  cctgtccgag  ttcctcgtgt  actatgagag  ttccaccaac  240
tgcaccgaga  tggaggccaa  tgcgtgggc  tgctactggc  ccaacccct  ggcccagggc  300
ttcatcaccc  gcatccacag  gcagttcttc  tccaactgca  ccgtggacag  ggtccacttg  360
gaggaccccc  cagacgaggt  tctcatcccc  ctgatcgtaa  taccgctcgt  tctgactgtc  420
gccatggctg  gcctgggtgg  gtggcgcagc  aaacgcaccg  acacgctgct  gtgaggggtcc  480
cggtgagatg  gagtgggtca  cacctggcaa  gctggaagaa  agttccctgg  ggatggggaga  540
gcgggtgggt  gctgccaatc  tccagctact  gtggccacac  cccacctggt  catgggcaga  600
cccctccctt  cctggcctga  cctgctccct  cgaggccagc  ctgctccctg  gctgaggctc  660
aggctatccg  cccaagctct  ttgctcattc  tagggccagt  ggaggaaaat  gtgataaggc  720
cagagcttgt  gtgctgggca  cagaaatcac  ctgctgcac  ctgtgctccg  caggctgggc  780
cggagcctct  gcccgaggt  ttctatgctg  tttcttagca  cagaatccag  cctagcctta  840
gccgcagtct  aggcctgtct  tggactagga  ctccctgtct  gaccccatct  ctggttcctg  900
ccctggctcc  tgcaccagcc  ccagctcctg  cctacatcca  ggcagaaaaga  taggcagggg  960
ctcttggaag  acgttccgtg  ctgtgacctc  cgagccctcc  tgggtgggaag  acagctggaa  1020
aggctgggag  gagaagggag  ggggttgggg  ttcccaggag  ccatgcgtgg  cctgcagagt  1080
ccattccatc  atgatgctgt  gcccgctatg  ggctgtgtcc  atgaccagag  gctggagtg  1140
gggtgtgtta  gagccctca  ccgggacttg  ctgtgcggat  ggggcctggg  cctccttcc  1200
acaggggctc  ctctgtgggt  gaggggccct  ctggaatggc  atcccatgag  cttgtggcct  1260
ctatctgcta  ccactctgtg  tttatctgag  taaagttacc  ttacttctgg  aaaaaaaaaa  1320

```

```

<210> 175
<211> 778
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2280639

```

```

<400> 175
gcgctccctc  gctggcggac  ggctgggcgg  cgggcccggc  ccggggccgc  ttggaatggc  60
gcctcctccg  ccttcgcccc  aactgcttct  cctggcagcc  ctccgcaggc  tcctgggtcc  120
cagcgaggtg  atggctggac  cggcggagga  ggcgggagcc  cattgtcccg  agagcctgtg  180

```

```

gcctctgcct cgcaggtgt caccaagagt gacctacaca cgagtgagcc cagggcaggc 240
tgaggatgtc accttcctct accacccctg tgcccatccc tggctgaagc tccagcttgc 300
cctcctggcc tatgcttgta tggctaaccc ttccctcacc cctgacttca gcctcacgca 360
ggatcgcccc ctggtgctga ctgcatgggg gctggcgctg gagatggcct gggtagagcc 420
agcctgggct gccactggc tgatgaggag gcggaggagg aagcagagga agaagaaggc 480
atggatctac tgtgaaagcc tttcagggcc tgctccctcc gagccaactc ccggtagagg 540
gaggctgtgc cgaagagggg gtgtgcaggc cctggctctg gcctttgtct tgcggactgg 600
cgccccctg gcacagaggt gacatctcaa gggcccaggc agccctcttc tagtggtgcc 660
aagacgcgga tgctgcgggc tgcacttggg tcccagccca ctcgctcagc cctgaggttt 720
ccctctgctt cccagtttag cttgatggcc aagcattcca tggcgggcta tcctgggtt 778

```

<210> 176

<211> 1477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2292356

<400> 176

```

cctggcctgg ctgctgggg cctggggagc tgcccgctgt tccagcccag tctccccctg 60
gctgctgccg gctgctggcc actcccacct cccaggcctg gcgtgaggcc cacagctgct 120
gttgacaaac cctggtcatt gtgtgatggg gggaggcctg ggcctggccc gccctctctg 180
cagggcttca gacccctgcc cagccccagt atctgaagga accacagtgg agccaagccc 240
gcgatgtgga gaactcaggc ttcaggagac cctggccctg ctcttggcgg ctccgggtgg 300
ctttcagctc tctctgcaac ctgagctggg ggaggagcca ggcctcatgc ccagggctgg 360
gagtggggag cctggtgtgc acgcgtgccc aggctgcac gtggaccgac caggggaggg 420
gccagagct ctggctgggt caccgcgacc ccgcccccat ctctccaga gccaccccag 480
gaaaagcccg gctggacgag gtcattggct ccgctgccct tacaagcctg tccaccagcc 540
ctctccttct gggggcccca gttgcagcct tcagcccaga gcctggcctg gagccctgga 600
aggaggccct ggtgcggccc ccaggcagct acagcagcag cagcaacagt ggagactggg 660
gatgggacct ggccagtgc cagtcctctc cgtccacccc gtcaccccca ctgccccccg 720
aggcagccca ctttctgttt ggggagccca ccctgagaaa aaggaagagc ccggcccagg 780
tcatgttcca gtgtctgtgg aagagctgcg ggaaggtgct gagcacggcg tcggcgatgc 840
agagacacat ccgcctgggt cacctggggg gcggcggggc ctgggggtgcg gcggggcctg 900
cgggttggct ggggttggtt ggcccggcca ggcacccct tcagctccca ctggctggct 960
gtgtctcccg caggaggcag gcagagcctg agcagagtga tggtagaggag gacttctact 1020
acacagagct ggatgttggg gtggacacgc tgaccgacgg gctgtccagc ctgactccag 1080
ttttcccca gggcttccat gccagcttgc cttccccgc cctgaagctc cgcagacttg 1140
gtgggacccg ccaaccccg cagtaccctt gaggagcgcc gggatttagt cgaggctcct 1200
tgtcggcgcc cagggggaat attaatagct cccggggggg gggaataact ttgaaggcag 1260
ttgataaaaa attttcccc ccaaacagag ggagggccga gaataaagaa cccctccggg 1320
aaaaaacaca gtgggagaca tagagttgat tctccctggg tgagaaaaat ttgggtaaaag 1380
cggttcaag caatttcgca gagcaagatt tgcgggcgcc ggaaccata aaggtggtaa 1440
aaccctgggg ggtccccaag agggggaagc tcaacc 1477

```

<210> 177

<211> 682

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2349310

<400> 177

```

tctgaatgtt ttggtgaata aatctgttct tcagcaaccc tacctgcttc tccaaactgc 60
ctaaagagat ccagtactga tgacgtgtt ctccatctt tactccctgg aaactaacca 120
cgtgtcttct ttctcttcc caccaccag gagctcagag atctaagctg ctttccatct 180
tttctcccag cccaggaca ctgactctgt acaggatggg gccgtcctct tgctccttc 240
tcctcctaata ccccttctc cagctgatca acctggggag tactcagtgt tccttagact 300
ccgttatgga taagaagatc aaggatgttc tcaacagctc agagtacagt ccctctccta 360
taagcaagaa gctctcgtgt gctagtgtca aaagccaagg cagaccgtcc tcctgccctg 420

```

```

ctgggatggc tgtcactggc tgtgcttgtg gctatggctg tggttcgtgg gatgttcagc 480
tggaaccac ctgccactgc cagtgcagtg tgggtggactg gaccactgcc cgctgctgcc 540
acctgacctg acagggagga ggctgagaac tcagttttgt gaccatgaca gtaatgaaac 600
caggggccca accaagaaat ctaactcaaa cgtcccactt catttggtcc attcctgatt 660
cttgggtaat aaagacaaac tt                                     682

```

<210> 178

<211> 1508

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 11, 139

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 2373227

<400> 178

```

gcgtaacccc ntgatctggt gataaacgta ttacccgctt ttgagtgagc tgataaccgct 60
cgccgcagcc gaacgaccga ggcgagcgag tcagtgcgag agaaagcgga agagcgccca 120
atacgcaaac cgcttctcnc cgcgcgttgg ccgattcatt aatcagcttg cacgacaggt 180
ttcccgactg gaaagcgggc agtgagcgca acgcaattaa tgtgagttag ctactcccc 240
accccttccc ccgcgggcct cgggttcaaac gaccgcgtgg gtctacagcg gaagggaggg 300
agcgaaggta ggaggcaggg cttgcctcac tggccaccct cccaaccca agagcccagc 360
cccatggtcc cgccgcgcgg cgcgctgctg tgggtcctgc tgctgaatct ggggtccccg 420
gcggcggggg cccaaggcct gaccagact ccgaccgaaa tgcagcgggt cagtttacgc 480
tttggggggc ccatgaccgg cagctaccgg agcaccgccc ggactggtct tccccggaag 540
acaaggataa tcctagagga cgagaatgat gccatggccg acgccgaccg cctggctgga 600
ccagcggctg ccgagctctt ggccgccaac gtgtccaccg gctttagccg gtctccgc 660
attaacgagg aggatgggtc ttcagaagag ggggttgtag ttaatgccg aaaggatagc 720
accagcagag agcttcccag tgcgactccc aatacagcgg ggagttccag cacgaggttt 780
atagccaata gtcaggagcc tgaaatcagg ctgacttcaa gcctgccgcg ctcccccg 840
aggtctactg aggacctgcc aggtctgcag gccaccctga gccagtgggt cacacctggg 900
tctaccccga gccggtggcc gtcaccctca cccacagcca tgccatctcc tgaggatctg 960
cgctgggtgc tgatgccctg gggcccgtag cactgccact gcaagtcggg caccatgagc 1020
cggagccggt ctgggaagct gcacggcctt tccgggcgcc ttcgagttgg ggcgctgagc 1080
cagctccgca cggagcacia gccttgcaac tatcaacaat gtccctgcaa ccgacttcg 1140
gaagagtgcc ccctggacac aagtctctgt actgacacca actgtgcctc tcagagcacc 1200
accagtacca ggaccaccac taccctctc cccaccatcc acctcagaag cagtcaccagc 1260
ctgccacccc ccagccccct cccagccctg gctttttgga aacgggtcag gattggcctg 1320
gagatatttt ggaatagcct ctcttcagtg ttcacagaga tgcaaccaat agacagaaac 1380
cagaggtaat ggccacttca tccacatgag gagatgtcag tatctcaacc tctcttgccc 1440
tttcaatcct agcaccctc agatattttt agtacagaaa aacaaaactg gaaaacaaaa 1500
aaaaaaaaa                                     1508

```

<210> 179

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2457682

<400> 179

```

ggagaaagga tggccggcct ggcggcgcgg ttggctcctgc tagctggggc agcggcgctg 60
gcgagcggct cccagggcga ccgtgagccg gtgtaccgcg actgcgtact gcagtgcgaa 120
gagcagaact gctctggggg cgctctgaat cacttccgct cccgccagcc aatctacatg 180
agtctagcag gctggacctg tcgggacgac tgtaagtatg agtgtatgtg ggtcaccgtt 240
gggctctacc tccaggaagg tcacaaagtg cctcagttcc atggcaagtg gcccttctcc 300

```

```

cggttcctgt tctttcaaga gccggcatcg gccgtggcct cgttttctcaa tggcctggcc 360
agcctgggtga tgctctgccg ctaccgcacc ttcgtgccag cctcctcccc catgtaccac 420
acctgtgtgg ccttcgcctg gctttctgga agatgacagc ctgtagctgc tgaaggaatc 480
agaggacaag ttcaggctgg actgaagacc cttggagcga gtcttcccca gttggggata 540
ctgccccgcg cctgctgg

```

<210> 180
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2480426

```

<400> 180
cttgagatct gggaggagga aagcggagcc ggcagggagc gaaccaggac tggggtgacg 60
gcagggcagg gggcgcttg cgggggagaa gcgcgggggc tggagcacca ccaactggag 120
ggtccggagt agcgagcgcc ccgaaggagg ccacggggga gccgggaggg gggactgcga 180
gaggaccccc gcgtccgggc tcccggtgcc agcgctatga ggccactcct cgtcctgctg 240
ctcctgggcc tggcgccgg ctcgccccca ctggacgaca acaagatccc cagcctctgc 300
ccgggactgc cgggacctcg aggggacccc gggccgcgag gagaggcggg acccgcgggg 360
cccaccgggc tagccgggga gtgctcggtg cctccgcgat ccgccttcag cgccaagcgc 420
tccgagatcc ggggtgcctcc gctgtctgac gcacccttgc cttcgaccgc gtgctggtga 480
acgagcaagg acattacgac gc

```

<210> 181
 <211> 1659
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2503743

```

<400> 181
gctgtgcggc ggggcaggca tgggagccgc gcgctctctc ccggcgccca cacctgtctg 60
agcggcgcac gagccgggc cggggcgggc tgctcggcgc ggaacagtgc tcggcatggc 120
agggattcca gggctcctct tccttctctt ctttctgctc tgtgtgtgtg ggcaagtgag 180
cccttacagt gccccctgga aacccacttg gcctgcatac cgctcctctg tcgtcttgcc 240
ccagtctacc ctcaatttag ccaagccaga ctttggagcc gaagccaaat tagaagtatc 300
ttcttcagt ggaccccagt gtcataaggg aactccactg cccacttacg aagaggccaa 360
gcaatatctg tcttatgaaa cgctctatgc caatggcagc cgacagaga cgcagggtgg 420
catctacatc ctacgcagta gtggagatgg ggcccaacac cgagactcag ggtcttcagg 480
aaagtctcga aggaagcggc agatttatgg ctatgacagc aggttcagca tttttgggaa 540
ggacttcctg ctcaactacc ctttctcaac atcagtgaag ttatccacgg gctgcaccgg 600
caccctggtg gcagagaagc atgtcctcac agctgcccac tgcatacacg atggaaaaac 660
ctatgtgaaa ggaaccgaga agcttcgagt gggcttccca aagcccaagt ttaaagatgg 720
tggtcgaggg gccaacgact ccacttcagc catgcccagc cagatgaaat ttcagtggat 780
ccgggtgaaa cgcacccatg tgcccaaggg ttggatcaag ggcaatgcca atgacatcgg 840
catggattat gattatgccc tcctggaact caaaaagccc cacaagagaa aatttatgaa 900
gattggggtg agccctcctg ctaagcagct gccagggggc agaattcact tctctgggta 960
tgacaatgac cgaccaggca atttgggtgt tcgcttctgt gacgtcaaag acgagacctg 1020
tgacttgctc taccagcaat gcgatgcccc gccaggggcc agcgggtctg gggctctatgt 1080
gaggatgtgg aagagacagc agcagaagtg ggagcgaaaa attattggca ttttttcagg 1140
gcaccagtgg gtggacatga atggttcccc acaggatttc aacgtggctg tcagaatcac 1200
tcctctcaaa tatgcccaga tttgctattg gattaaagga aactacctgg attgtaggga 1260
ggggtgacac agtgttccct cctggcagca attaagggtc ttcattgtct tatttttagga 1320
gaggccaaat tgttttttgt cattggcgtg cacacgtgtg tgtgtgtgtg tgtgtgtgtg 1380
taagggtgtc tataatcttt tacctatttc ttacaattgc aagatgactg gctttactat 1440
ttgaaaactg gtttgtgtat catatcatat atcatttaag cagtttgaag gcatactttt 1500
gcatagaaat aaaaaaata ctgatttggg gcaatgagga atatttgaca attaagttaa 1560
tcttcacgtt tttgcaaact ttgattttta tttcatctga acttgtttca aagatttata 1620

```


ttaaataattt ggcatataag agatatgaaa aaaaaaaaaa

1659

<210> 182
 <211> 2015
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2537684

<400> 182
 aaaaacaaag gcaatgcatt ggcaagcctc acagcacaga gtgaccgctg cctggcgctt 60
 cccagcactc ggtgtggaaa ggcccctacc tgctgtaaga ttatgggtcc atgaaagcag 120
 taagctggac acagagggtg agtgtgcggg acagagggcc ttgcagatgc ctttctgttg 180
 gtgttttagt gttaaaatac ggagagtatg gaactcttca cctccatttt ctcagcggtg 240
 gtgaagcagc ctctagctt cggaagtacg gacactacgt cgcgttttca agcgtgtctg 300
 ttctgcaggt aacagcatca agctgcacgt ggaagcatct cgcggttttc tagaaacagg 360
 cattttctta tccctctccc gctccttttt ccacaaagggt gaatttcata aatgtaatac 420
 tagtaaaagt aatgaattac tgagtttata cagaaattta ggtaacttct ccttttagtct 480
 caagagcgag tcttgctttt taatgggtgc cgtttatggt gctgcccgcc ctgtgtgcct 540
 ggctcctctg ggtgccttgg tgtctgctgg tggctggcag tgggcgagc ggaggagagt 600
 tgtgtctcag ctcatcaggt gtgtctgtca tctcagctcg gagtaaatgc agtgtctgcc 660
 ggtgtctgat gggttctgtc cctcgtatgt tctttgcctt ctatcccatt gcctggctac 720
 cgctgccttg cagccaaggg tgttggtcgc gaagctggga gtggcctctg gtggagcctg 780
 catcttgtct cgtctgcctc tgcctttacat ttggtgtact ttgggctggt gtggcagtaa 840
 aatgacaccg tgattgagct tgtcagcaga gctgaaagag aaagtagaag gatgtgcatt 900
 gtttcttgta agatatcttg catgtatctg tgtattcaaa ttcaaacaga gatggtttgt 960
 ccatttgtcc actgagaaat tataaactag ggacaagggg gaggaaaagt actgaaatac 1020
 agtttatgaa gcaagtgtgt ctcgggctgt gcttgcctca ggagccccag cagcatctga 1080
 actgaggctt cttcagtcct gcaggaacag gatcatctgt ctcagcggtg ggcagatgtt 1140
 ttcatagaca gccaggaggt aaacacttgt ggctctgtgg gctgtatggt ctctgccata 1200
 aatagtacag agatgtggct gtgtctagta caacttttag acacagaaat ctgaatgaca 1260
 tataattgtt tgtgtcaaga aacttagatt ttttttttaa ctatttataa acgtgaaacc 1320
 tattcttagc tcacaggcca tggagaagct ggtggggacc agaccagct ccttagctgg 1380
 ctgggctggg gagggggcag tgacagtggc agctgctact cactgctcag tgtggaaaac 1440
 acaggacttg gcaatcacag cccgcagaac catcatgtgt ggcagaagcc tgagggatgc 1500
 ggtttcttgc ccacgtgctc tgttcatttt ctggtgtttt tctgcactta aagaattcac 1560
 atggaagcat gttttataaa atgaattacc agagaaacag agatgggccc agattctcag 1620
 aaatggtccc atgtgaccaa gttctgctgt ttgggtgaca gtgctttgaa gatctccttt 1680
 gaggatgtgc agtctttttt tttttttttt tttgagatgg agtttggtgc ccaggctgga 1740
 gtgagtggca cagtctcggc tcaactgcaac ctccacctcc tgggttcaag cagttctcgt 1800
 gccgcagcct cccaagtagc tgggactaca ggcattgcgc accacgccag gctaattttt 1860
 gtatttttag tttagatggg gtttcaccat gttctcaact cctgacctca ggcgatccac 1920
 ccacctcagc gtcccaaagt gctggggata taggggtgac caccgcgacc tgcgccaaga 1980
 gtgggctttt aattagggac aaatccaatg gaagg 2015

<210> 183
 <211> 740
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2593853

<400> 183
 ctgctttcgt gaagacaaga tgaagtacac aattgtcttt gctggacttc ttggagtctt 60
 tctagctcct gccctagcta actataatat caacgtcaat gatgacaaca acaatgctgg 120
 aagtgggcag cagtcagtga gtgtcaacaa tgaacacaat gtggccaatg ttgacaataa 180
 caacggatgg gactcctgga attccatctg ggattatgga aatggctttg ctgcaaccag 240
 actctttcaa aagaagacat gcattgtgca caaatgaac aaggaagtca tgccctccat 300
 tcaatccctt gatgcactgg tcaaggaaaa gaagcttcag ggtaagggac caggaggacc 360

```

acctcccaag ggctgatgt actcagtcaa cccaaacaaa gtcgatgacc tgagcaagtt 420
cggaaaaaaac attgcaaaca tgtgtcgtgg gattccaaca tacatggctg aggagatgca 480
agaggcaagc ctgttttttt actcaggaac gtgctacacg accagtgtac tatggattgt 540
ggacattttcc ttctgtggag acacgggtgga gaactaaaca atttttttaa gccactatgg 600
atttagtcat ctgaatatgc tgtgcagaaa aaatatgggc tccagtgggt tttaccatgt 660
cattctgaaa tttttctcta ctagttatgt ttgatttctt taagtttcaa taaaatcatt 720
tagcattgaa aaaaaaaaaa                740

```

<210> 184
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2622354

```

<400> 184
ctgcaaccac ccagagccat ggctccccga ggctgcatcg tagctgtctt tgccattttc 60
tgcattctca ggctcctctg ctcacacgga gcccagtggt ccccatgac tccttacctg 120
atgctgtgcc agccacacaa gagatgtggg gacaagttct acgacccct gcagcactgt 180
tgctatgatg atgccgtcgt gcccttggcc aggaccaga cgtgtggaaa ctgcaccttc 240
agagtctgct ttgagcagtg ctgcccctgg accttcattg tgaagctgat aaaccagaac 300
tgcgactcag cccggacctc ggatgacagg ctttgtcgca gtgtcagcta atggaacatc 360
aggggaacga tgaactcctg attctccttc ctgggtgggc ctggagaaaag aggctgggtg 420
tacctgagat ctgggatgct gagtggctgt ttgggggcca gagaaacaca cactcaactg 480
cccacttcac tctgtgacct gtctgaggcc caccctgcag ctgccctgag gaggcccaca 540
ggctccccttc tagaattctg gacagcatga gatgcgtgtg ctgatggggg cccaggggact 600
ctgaaccctc ctgatgacct ctatggccaa catcaaccgg gcaccacccc aaggctggct 660
gggaaccctt cacccttctg tgagattttc catcatctca agttctcttc tatccaggag 720
caaagcacag gatcataata aatttatg                748

```

<210> 185
 <211> 648
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2641377

```

<400> 185
cggctcgagg atccccaagt ctctgaccca ccttcctgcc tgctcctctc ctcccacatt 60
ggctcagatt ctttccccgc tgtctgtggg tccacactcc cagtggcacc tccaggagag 120
aatctgattg gctcagttcg ccagataact caactttccc attggctacc tttgggtcag 180
gtgatctcca ctagacctat cgcctatgcc tgatggtggg tcacatgggtg caaatgttgc 240
ctgagagctt agtggattag ggatgtggct gggctcatgg ttgacgtccc tgctgctgag 300
cccttacggg tcaggctggg agaagggtacc atgttgtgtg actggtcatt tgaggctctg 360
cagctgttgc ttgctgggct tggcagggtg tcaaagtgc ctttttctg aagggttttt 420
ttctgagtat tctcagatg tactcccctg gggccgacgg tctttccttc cacagggcga 480
tgcttcctta cttgcttgtg aatgtttcct tcatctccag gttgtctggg gacaattctg 540
tcttttgagg gcctgggcag gatttacaga gggctccatg ccagctcctt cctgccgggt 600
ccacttctgg tgtagggtaa acacctgcgc attcatgtcc tagtggtg                648

```

<210> 186
 <211> 2110
 <212> DNA
 <213> Homo sapiens

<220>
 <221>
 <222> 1932

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 2674857

<400> 186

```

cggcggccat ctttactcag ggcacagagg gtctctgcgg ccgtagcggc cggggctgcg 60
gtagccactt tagatttggg caaggacttt agattcgggc tctgttctgt ttccgccgtc 120
ctgcttcctg ccgaggctgg cccaggcagc cgcgcttcga aggacgcgc cgggagctgc 180
ggacatgcgt ggagtggcag tgctaaccgc tgggtgtctg cactgttggc ctgtgaagg 240
acgtgaagct gaaagcctgg aatggctgga aaggggtcat caggcaggcg gcccctgctg 300
ctggggctgc tgggtggcgt agccactgtc cacctgggtc tctgtcccta caccaaagt 360
gaggagagct tcaacctgca ggccacacat gacctgctct accactggca agacctggag 420
cagtacgacc atcttgagtt ccccgaggtc gtccccagga cgttcctcgg gccagtgggtg 480
atcgcaagtgt tctccagccc cgcggtttac gtgctttcgc tgttagaaat gtccaagttt 540
tactctcagc taatagttag aggagtgtt ggactcggcg tgatttttgg actctggacg 600
ttacaaaagg aagtgagacg gcacttcggg gccatgggtg ccaccatgtt ctgctgggtg 660
acggccatgc agttccacct gatgttctac tgcacgcgga cactgcccac tgtgctggcc 720
ctgcctgtag tctgtctggc cctcgcggcc tgggtgcggc acgagtgggc ccgcttcac 780
tggtgtcag ccttcgccat catcgtgttc aggggtggagc tgtgcctgtt cctgggcctc 840
ctgctgctgc tggccttggg caaccgaaaag gtttctgtag tcagagccct tcgccacgcc 900
gtccccggcag ggatcctctg tttaggactg acggttgcgt tggactctta tttttggcgg 960
cagctcactt ggccggaagg aaaggtgctt tggtaacaac ctgtcctgaa caaaagctcc 1020
aactggggga cctccccgct gctgtggtac ttctactcag ccctgccccg cggcctgggc 1080
tgcagcctgc tcttcatccc cctgggcttg gtagacagaa ggacgcacgc gccgacgggtg 1140
ctggcactgg gcttcatggc actctactcc ctccctccac acaaggagct acgcttcac 1200
atctatgcct tccccatgct caacatcacg gctgccagag gctgctccta cctgctgaat 1260
aactataaaa agtcttggct gtacaaaagc gggctctctg ttgtgatcgg acacctcgtg 1320
gtgaatgccg cctactcagc cacggccctg tatgtgtccc atttcaacta ccaggtggc 1380
gtcgcaatgc agaggctgca ccagctgggt ccccccaga cagacgtcct tctgcacatt 1440
gacgtggcag ccgcccagac aggtgtgtct cgttttctcc aagtcaacag cgctggagg 1500
tacgacaaga gggaggatgt gcagccgggg acaggcatgc tggcatacac acacatcctc 1560
atggaggcgg cccctgggt cctggccctc tacagggaca cacaccgggt cctggccagc 1620
gtcgtgggga ccacaggtgt gagtctgaac ctgacccaac tgccccctt caacgtccac 1680
ctgcagacaa agctggtgct tctggagagg ctcccccggc cgtcctgagg gggaccaggc 1740
agccctcagc agccacaggg cttccaggag ctgttatcac taccagtttc tggcacaatt 1800
ccagcacaat tatgacaatt cagagaagga agtcaaagga ctggggcacc tgcctctgac 1860
agacaccaga ccaggtccag ggccctcctc cacagcctca gctgggggct cttcagaac 1920
caaagaacga angggcccc aagttctttg tttgggcacc cccgggggta agccacttg 1980
ccccaagggt tttgatgggg ttgggcccag cttccagggg ctttcccttg gccgggggtt 2040
gacttgttcc ggccccagga ttcaagggtt ggcccaattt cccattgaac ttaaatttcc 2100
agggaaggc 2110

```

<210> 187

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2758485

<400> 187

```

cccgagccg gggagggagg gagcgagggt cggacaccgg cggcggctgc ctggcctttc 60
catgagcccg cggcggaacc tcccgcgccc cctctcgctc tgcctctccc tctgcctctg 120
cctctgcctg gcccgggctc tgggaagtgc gcagtccggg tcgtgtaggg ataaaaagaa 180
ctgtaagggtg gtcttttccc agcaggaact gaggaagcgg ctaacacccc tgcagtacca 240
tgtcactcag gagaaaaggga ccgaaagtgc ctttgaagga gaatacacac atcacaaaga 300
tcttgaata tataaatgtg ttgtttgtgg aactccattg ttttaagtcag aaaccaaatt 360
tgactccggt tcaggttggc cttcattcca cgatgtgatc aattctgagg caatcacatt 420
cacagatgac ttttctatg ggatgcacag ggtggaaaca agctgctctc agtgtgggtg 480
tcaccttggg cacatttttg atgatgggcc tcgtccaact gggaaaagat actgcataaa 540
ttcggtgcc ttgtctttta cacctgcgga tagcagtggc accgccgagg gaggcagtg 600

```

```

ggtcgccagc cccggcccagg cagacaaaagc ggactctgag agtaatggag agtgatggaa 660
acaaagtgtg cttaatgcac agcttattaa aaagatcaaa attgttatcc taatagatat 720
atTTTTTcaa aaactataag ggcagttttg tgctattgta atTTTtctc ctt 773

```

```

<210> 188
<211> 714
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2763296

```

```

<400> 188
gggagcctcc cagcgtctcc agctcactcg gcaggcagcg gggaccaggg ctggcaggtt 60
aagcctctgg ggggtggatcc tgaaagggtg tccagccgcc tggccctgcg tgggaccctc 120
cacctggcag caggtgggtg cttccaagag tgactccgtc ggaggaaaat gactccccag 180
tcgctgctgc agacgacact gttcctgctg agtctgctct tcctgggtcca aggtgcccac 240
ggcagggggc acaggggaaga ctttcgcttc tgcagccagc ggaaccagac acacaggagc 300
agcctccact actactggtc catgcggctg caggcccggg gtggcccctc ccctctgaag 360
agcaactcag acagcgccag gctccccatc agctcgggca gcacctcgtc cagccgcac 420
taggcctcca gccacactgc ccatgtaatg aagcagagat gcggcctcgt cgcacactgc 480
ctgtagcccc cgaaccgggc ccagccccag gccagtaagc cgcagacttt agaaagccca 540
acgaccatgg agagatgggc cgttgccatg gtggacggac tcccgggctg ggcttttgag 600
attggcttag gggctactcg gctctcactc agtcccacg ggactcaaga atgcggcgcc 660
atgctgcctt aggtactgtc cccacatctg tcccaccca gctggaggcc tgggt 714

```

```

<210> 189
<211> 609
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2779436

```

```

<400> 189
cggccagggc gccgacagcc cgacctcacc aggagaacat gcagctcggc actgggctcc 60
tgctggccgc cgtcctgagc ctgcagctgg ctgcagccga agccatatgg tgtcaccagt 120
gcacgggctt cggaggggtg tcccatggat ccagatgcct gagggactcc acccactgtg 180
tcaccactgc caccggggtc ctcagcaaca ccgaggattt gcctctggtc accaagatgt 240
gctacatagg ctgccccgat atccccagcc tgggctggg cccctacgta tccatcgctt 300
gctgccagac cagcctctgc aacctgact gacggctgcc ctctccagg cccccggacg 360
ctcagccccc acagccccca cagcctggcg ccagggctca cggccgcccc tccctcgaga 420
ctggccagcc cactctctcc ggctctgca gccaccgtcc agcaccgctt gtcctaggga 480
agtctgcgt ggagtcttgc ctcaatctgc tgccgtccaa gcctggggcc catcgctgct 540
gccgcccctt caggtcccga cctccccaca ataaaatgtg attggatcgt gtggtacaaa 600
aaaaaaaaac 609

```

```

<210> 190
<211> 1088
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte Clone No: 2808528

```

```

<400> 190
tgtagaagac agcggcggtt ccatggcggc gtctctgggg caggtgttgg ctctgggtgct 60
ggtggccgct ctgtgggggt gcacgcagcc gctgctgaag cgggcctccg ccggcctgca 120
gcggttcat gagccgacct gggcccagca gttgctacag gagatgaaga ccctcttctt 180
gaatactgag tacctgatgc cctttctcct caaccagtgt ggatcccttc tctattacct 240

```

```

caccttggca tcgacagatc tgaccctggc tgtgcccata tgtaactctc tggctatcat 300
cttcacactg attgttggga aggcccttgg agaagatatt ggtggaaaac gagcagttgc 360
tggcatggtg ctcaccgtga taggaatttc actctgcata acaagctcag tgagtaagac 420
ccaggggcaa cagtctaccc tttagtggg ccgaaccac ttccagctct gctgacctca 480
ggaagcccct gggccatgaa gtgctggcag tgagcggatg gacctagcac tccccctctc 540
tggccttagc ttctctctct cttatgggga taacagctac ctcatggatc acaataagag 600
aacaagagtg aaagagtttt gtaaccttca agtgctgttc agctgcgggg atttagcaca 660
ggagactcta cgctcaccct cagcaacctt tctgccccag cagctctctt cctgctaaca 720
tctcaggctc ccagcccagc caccattact gtggcctgat ctggactatc atggtggcag 780
gttccatgga ctgcagaact ccagctgcat ggaaagggcc agctgcagac tttaggccag 840
aatgcaaac gggaggcctc tgggactcag tcagagcgct ttggctgaat gaggggtgga 900
accgagggaa gaaggtgcgt cggagtggca gatgcaggaa atgagctgtc tattagcctt 960
gcctgccccca cccatgaggt aggcagaaat cctcactgcc agccccctctt aaacaggtag 1020
agagctgtga gccccagccc cacctgactc cagcacacct ggcgagtagt agctgtcaat 1080
aaagctat                                     1088

```

```

<210> 191
<211> 1377
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2809230

```

```

<400> 191
gcgggacttc ctgtgtcgta tttccaagga ctccaaagcg aggcggggga ctgaagggtgt 60
gggtgtcgag ccctctggca gagggttaac ctgggtcaaa tgcacggatt ctcaacctcgt 120
acagttacgc tctcccgcg cactcccgcg aggacttgaa gtccctgagcg ctcaagtttg 180
tccgtaggtc gagagaaggc catggagggt cgcgccaccg caccgcggag ctttctctgt 240
agagcattgt gcctatttcc ccgagtcttt gctgccgaag ctgtgactgc cgattcggaa 300
gtccttgagg agcgtcagaa gcggcttccc tacgtcccag agccctatta cccggaatct 360
ggatgggacc gcctccggga gctgtttggc aaagatgaac agcagagaat ttcaaaggac 420
cttgctaata tctgtaagac ggcagctaca gcaggcatca ttggctgggt gtatggggga 480
ataccagctt ttattcatgc taaacaacaa tacattgagc agagccaggc agaaatttat 540
cataaccggt ttgatgctgt gcaatctgca catcgtgctg ccacacgagg cttcattcgt 600
tatggctggc gctggggttg gagaactgca gtgtttgtca ctatattcaa cacagtgaac 660
actagtctga atgtataccg aaataaagat gccttaagcc attttgtaat tgcaggagct 720
gtcacgggaa gtcttttttag gataaacgta ggctgctg gctggtggc tgggtggcata 780
attggagcct tgctgggcac tcctgtagga ggctgctga tggcatttca gaagtactct 840
ggtgagactg ttcaggaaag aaaacagaag gatcgaaagg cactccatga gctaaaactg 900
gaagagtgga aaggcagact acaagttact gagcacctcc ctgagaaaaat tgaaagtagt 960
ttacaggaag atgaacctga gaatgatgct aagaaaattg aagcactgct aaaccttctt 1020
agaaaccctt cagtaataga taaacaagac aaggactgaa agtgctctga acttgaaact 1080
cactggagag ctgaaggggag ctgccatgtc cgatgaatgc caacagacag gccactcttt 1140
ggtcagcctg ctgacaaatt taagtgtggt tacctgtggg ggcagtggct tgctcttgtc 1200
tttttctttt ctttttaact aagaatgggg ctgttgact ctcactttac ttatccttaa 1260
atttaaatac atacttatgt ttgtattaat ctatcaatat atgcatacat gaatatatcc 1320
accacactag attttaagca gtaaataaaa catttcgcaa aagattaaaa aaaaaaa 1377

```

```

<210> 192
<211> 985
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2816821

```

```

<400> 192
gcggggccgc gagtccgaga cctgtcccag gagctccagc tcacgtgacc tgtcactgcc 60
tcccgcgcgc tctgtcccgc gccatgacct agccggtgcc ccggctctcc gtgcccgcgc 120
cgctggccct gggctcagcc gcaactgggc cgccttcgc cactggcctc ttctggggga 180

```

```

ggcgggtgccc cccatggcga ggccggcgag agcagtgcct gcttcccccc gaggacagcc 240
gcctgtggca gtatcttctg agccgctcca tgcgggagca cccggcgctg cgaagcctga 300
ggctgctgac cctggagcag ccgcaggggg attctatgat gacctgcgag caggcccagc 360
tcttggccaa cctggcgcgg ctcatccagg ccaagaaggc gctggacctg ggcaccttca 420
cgggctactc cgccctggcc ctggccctgg cgctgcccgc ggacggggcg gtggtgacct 480
gcgaggtgga cgcgagcccc ccggagctgg gacggccccct gtggaggcag gccgaggcgg 540
agcacaagat cgacctccgg ctgaagcccc ccttgagagc cctggacgag ctgctggcgg 600
cgggcgaggc cggcaccttc gacgtggccg tgggtgatgc ggacaaggag aactgctccg 660
cctactacga gcgctgcctg cagctgctgc gacccggagg catcctcgcc gtcctcagag 720
tcctgtggcg cgggaagggt ctgcaacctc cgaaagggga cgtggcgggc gagtgtgtgc 780
gaaacctaaa cgaacgcata cggcgggacg tcagggtcta catcagcctc ctgccccttg 840
gcgatggact caccttggcc ttcaagatct agggctggcc cctagttagt gggctcgagg 900
gagggttgcc tgggaacccc aggaattgac cctgagtttt aaattcgaaa ataaagtggg 960
gctgggacac acgaaaaaaaa aaaaa 985

```

<210> 193
 <211> 1310
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2817268

```

<400> 193
cccacgcgtc cgggtttcacg taaagacagc gagatcctga gggccagccg ggaaggaggc 60
gtggatatgg agctggctgc tgccaagtcg ggggcccgcg ccgctgccta gcgcgtcctg 120
gggactctgt ggggacgcgc cccgcgccgc ggctcgggga ccgtagagc cggcgctgc 180
gcgcatggcc ctgctctcgc gccccgcgct caccctcctg ctctctctca tggccgctgt 240
tgtcaggtgc caggagcagg ccagaccac cgactggaga gccaccctga agaccatccg 300
gaacggcggt cataagatag acacgtacct gaacgccgcc ttggacctcc tgggaggcga 360
ggacggctct tgccagtata aatgcagtga cggatctaag cctttccac gttatggta 420
taaaccctcc ccaccgaatg gatgtggctc tccactgttt ggtgttcata ttaacattgg 480
tatcccttcc ctgacaaagt gttgcaacca acacgacagg tgctatgaaa cctgtggcaa 540
aagcaagaat gactgtgatg aagaattcca gtattgcctc tccaagatct gccgagatgt 600
acagaaaaca ctaggactaa ctacgcatgt tcaggcatgt gaaacaacag tggagctctt 660
gtttgacagt gttatacatt taggttgtaa accatatctg gacagccaac gagccgcatg 720
caggtgtcat tatgaagaaa aaactgatct ttaaaggaga tgccgacagc tagtgacaga 780
tgaagatgga agaacataac ctttgacaaa taactaatgt ttttacaaca taaaactgtc 840
ttatTTTTgt gaaaggatta ttttgagacc ttaaaataat ttatatcttg atgttaaaac 900
ctcaaagcaa aaaaagttag ggagatagtg aggggagggc acgcttgtct tctcagggtat 960
cttccccagc attgctccct tacttagtat gccaaatgtc ttgaccaata tcaaaaaaca 1020
gtgcttgttt agcggagaat tttgaaaaga ggaatatata actcaatttt cacaaccaca 1080
tttaccaaaa aaagataatc aatataaaat tcatacataat gtctgttcaa cattatctta 1140
tttgaaaaat ggggaaatta tcacttacaa gtatttgttt actatgaaat tttaaataca 1200
catttatgcc tagaaggaac ggactttttt tttctatttt aattacacat aatatgtaat 1260
taaagtacaa cataatatgt tgtttctctg tagcccgttg agcatatgag 1310

```

<210> 194
 <211> 914
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2923165

```

<400> 194
cggtggccat gactgcggcc gtgttcttctg gctgcgcctt cattgccttc gggcctgcgc 60
tcgcccttta tgtcttcacc atcgccaccg agccgttgcg tatcatcttc ctcatcgccg 120
gagctttctt ctggttggtg tctctactga tttcgtccct tgtttggttc atggcaagag 180
tcattattga caacaaagat ggaccaacac agaaatatct gctgatcttt ggagcgtttg 240
tctctgtcta tatccaagaa atgttccgat ttgcatatta taaactctta aaaaaagcca 300

```

```

gtgaagggttt gaagagtata aaccaggtg agacagcacc ctctatgcga ctgctggcct 360
atgtttctgg cttgggcttt ggaatcatga gtggagtatt ttctttgtg aataccctat 420
ctgactcctt ggggccaggc acagtgggca ttcattggaga ttctcctcaa ttcttccttt 480
attcagcttt catgacgctg gtcattatct tgctgcatgt attctggggc attgtatttt 540
ttgatggctg tgagaagaaa aagtggggca tcctccttat cgttctcctg acccacctgc 600
tggtgtcagc ccagaccttc ataagttctt attatggaat aaacctggcg tcagcattta 660
taatcctggg gtcctatggg acctgggcat tcttagctgc gggaggcagc tgccgaagcc 720
tgaaactctg cctgctctgc caagacaaga actttcttct ttacaaccag cgctccagat 780
aacctcaggg aaccagcact tcccaaaccg cagactacat ctttagagga agcacaactg 840
tgcctttttc tgaaaatccc tttttctggt ggaattgaga aagaaataaa actatgcaga 900
tatgaaaaaa aaaa                                     914

```

<210> 195
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2949822

```

<400> 195
ttttttaata atgcctttta gttggatggt aattatcctg ggttttctat gtggattatc 60
aggtcagctt caaataatga acacctctc ttctctcca attgttttac ttgtttcttc 120
ttcttgctct atattagcca gaatgtcata tagtatattg accagtagct atgggtgggtg 180
cgttttttat ttattggact taaaaagaaa tacatcaaaa gtttctccat taatgatgat 240
gtttgctata gggcattgat agatagcctt caaaaagtta agaaagtctt tttctttcta 300
gtcttcaagg ttaaaaagtt tttaaagatc ttaattgaat gtgaacttta tcaaagcct 360
ttgtgatgtc tatggagata atcatgtatt tgcttcttta atacattcct gtggtgaaat 420
atgtgaataa gtgttctgat attgaattat ctttgcatth ctagaataag ccctaataag 480
tactattcaa ggtatttttc tcaaacacct gattggactc tgtaagctca tatttcattg 540
agtgatttc cttctatggt tgtcagtgc aattgcgctat aattcgcgtt gctgtcctca 600
tctgaa                                     606

```

<210> 196
 <211> 893
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2992192

```

<400> 196
ccaccccgga agtcggctgg ccatggcggc gccttgagg cgatggccca cggggctgct 60
agccgtgctg cggcccttgc tcacctgccc gccctgcaa ggcacgacgc tgcaacggga 120
tgtgtgctc tttgagcatg atcggggccg cttcttcacc atcctcgggc tgttctgcgc 180
gggccagggc gtcttctggg ctccatggc tgtggcagcc gtgtcccggc ccccggttc 240
ggtgcagcct ctggatgcgg aggtcccaaa tcgtggcccc ttcgacctgc gctccgcgct 300
ctggcgctac ggtctggccg tcggctgcgg cgccatcgga gccctcgtac tcggtgctgg 360
tcttctcttc tctctccggt ctgtgcgctc agtgggtgct cgagctggag ggcagcaggt 420
gacctcacc actcatgccc cctttggctt gggggcccat ttcacagttc ctttgaagca 480
ggtatcttgc atggcccacc ggggtgaagt ccctgccatg ctacctctga aagtcaaagg 540
ccgacgcttc tatttcctct tggacaaaac tggacacttc cctaacacaa aactctttga 600
caatactgtg ggtgcctacc ggagcttggt aagaaatgac ctcaagtcac tcacctctcc 660
aagaggagga taaaaactga accttgggga gccagggtgt ttggttcaca cctgttgtaa 720
tcccagcact ttgggagggt gaggcaggag cactgctcga gcccaggctg ggcaacatag 780
cgagaccttg tctctattta caaaaaaaaa aacaaaaaaaa aacgccaatc ttagaatgga 840
gtaacaacca ggtcacaca aggaggtcaa gattcattaa caacaaataa agg 893

```

<210> 197
 <211> 1730

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2992458

<400> 197
ggccagaggc tgcccggctc ccggaagcag gctgtgaggg gcgggagcgc tgctggaacc 60
cgagccggag ccggagccac agcggggagg gtggcctggc ggcctggagc cggacgtgtc 120
cggggcgtcc ccgcagaccg gggcagcagg tcgtccgggg gccaccatg ctggtgactg 180
cctaccttgc tttttagagg ctctggcct cctgcctggg gctggaactg tcaagatgcc 240
gggctaaacc ccctggaagg gcctgcagca atccctcctt ccttcggttt caactggact 300
tctatcaggt ctacttctct gccctggcag ctgattggct tcaggccccc tacctctata 360
aactctacca gcattactac ttcttgaagg gtcaaattgc catcctctat gtctgtggcc 420
ttgcctctac agtcctcttt ggcttagtgg cctcctccct tgtggattgg ctgggtcgca 480
agaattcttg tgtcctcttc tccctgactt actcactatg ctgcttaacc aaactctctc 540
aagactactt tgtgtgtgta gtggggcgag cacttggtgg gctgtccaca gccctgctct 600
tctcagcctt cgaggcctgg tatatccatg agcacgtgga acggcatgac ttccctgctg 660
agtggatccc agctaccttt gctcgagctg ccttctggaa ccatgtgctg gctgtagtgg 720
caggtgtggc agctgaggct gtagccagct ggatagggtc ggggcctgta gcgcccttgg 780
tggctgccat ccctctcctg gctctggcag gggccttggc ccttcgaaac tgggggggaga 840
actatgaccg gcagcgtgcc ttctcaagga cctgtgctgg aggcctgcgc tgccctctgt 900
cggaccgccg cgtgctgctg ttgggcacca tacaagctct atttgagagt gtcactctca 960
tctttgtctt cctctggaca cctgtgctgg acccacacgg ggcccctctg ggcattatct 1020
tctccagctt catggcagcc agcctgcttg gctcttccct gtaccgtatc gccacctcca 1080
agaggtacca ccttcagccc atgcacctgc tgtcccttgc tgtgtctcatc gtcgtcttct 1140
ctctcttcat gttgactttc tctaccagcc caggccagga gagtccggtg gactccttca 1200
tagcctttct acttattgag ttggcttgtg gattatactt tcccagcatg agcttccctac 1260
ggagaaaagg gatccctgag acagagcagg ctggtgtact caactgggtc cgggtacctc 1320
tgcaactcact ggcttgccca gggctccttg tctccatga cagtgatcga aaaacaggca 1380
ctcggaaatg gttcagcatt tgctctgctg tcatgggtgat ggctctgctg gcagtgggtg 1440
gactcttcac cgtggttaagg catgatgctg agctgcgggt accttcacct actgaggagc 1500
cctatgcccc tgagctgtaa cccactcca ggacaagata gctgggacag actcttgaat 1560
tccagctatc cgggattgta cagatctctc tgtgactgac tttgtgactg tctgtgtggt 1620
tctcctgcca ttgctttgtg tttgggagga catgatgggg gtgatggact ggaaagaagg 1680
tgccaaaagt tccctctgtg ttactcccat ttagaaaata aacactttta 1730

<210> 198
<211> 2029
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3044710

<400> 198
ccttgacaag tcagaagctt gaaagcaggg aaatccggat gtctcggtta tgaagtggag 60
cagtgaagtgt gagcctcaac atagttccag aactctccat ccggactagt tattgagcat 120
ctgcctctca tatcaccagt ggccatctga ggtgtttccc tggctctgaa ggggtaggca 180
cgatggccag gtgcttcagc ctggtgttgc ttctcacttc catctggacc acgaggctcc 240
tggccaagg ctctttgcgt gcagaagagc tttccatcca ggtgtcatgc agaattatgg 300
ggatcacctt tgtgagcaaa aaggcgaacc agcagctgaa tttcacagaa gctaaggagg 360
cctgtaggct cgtgggacta agtttggccg gcaaggacca agttgaaaca gccttgaaag 420
ctagctttga aacttgcagc tatggctggg ttggagatgg attcgtggtc atctctagga 480
ttagcccaaa cccaagtgt gggaaaaatg ggggtgggtg cctgatttgg aaggttccag 540
tgagccgaca gtttgcagcc tattgtttaca actcatctga tacttggact aactcgtgca 600
ttccagaaat tatcaccacc aaagatccca tattcaacac tcaaactgca acacaaacaa 660
cagaatttat tgtcagtgc agtacctact ccgtggcatc cccttactct acaaatctg 720
cccctactac tactcctcct gctccagctt ccacttctat tccacggaga aaaaaattga 780
tttgtgtcac agaagttttt atggaaacta gcaccatgtc tacagaaact gaaccatttg 840
ttgaaaataa agcagcatte aagaatgaag ctgctgggtt tggaggtgtc cccacggctc 900
tgctagtgtc tgctctcctc ttctttgggtg ctgcagctgg tcttggattt tgctatgtca 960


```

aaaggtatgt gaaggccttc cctttttacaa acaagaatca gcagaaggaa atgatcgaaa 1020
ccaaagtagt aaaggaggag aaggccaatg atagcaaccc taatgaggaa tcaaagaaaa 1080
ctgataaaaa cccagaagag tccaagagtc caagcaaaac taccgtgcga tgcctggaag 1140
ctgaagttta gatgagacag aaatgaggag acacacctga ggctgggttc tttcatgctc 1200
cttaccctgc cccagctggg gaaatcaaaa gggccaaaga accaaagaag aaagtccacc 1260
cttgggttct aactggaatc agctcaggac tgccattgga ctatggagtg caccaaagag 1320
aatgcccttc tcttattgt aaccctgtct ggatcctatc ctctacctc caaagcttcc 1380
cacggccttt ctagcctggc tatgtcctaa taatatccca ctgggagaaa ggagttttgc 1440
aaagtgaag gacctaaaac atctcatcag tatccagtgg taaaaaggcc tcctggctgt 1500
ctgaggctag gtgggttgaa agccaaggag tctactgagac caaggctttc tctactgatt 1560
ccgcagctca gaccttttct tcagctctga aagagaaaca cgtatccac ctgacatgtc 1620
cttctgagcc cggtaagagc aaaagaatgg cagaaaagtt tagcccctga aagccatgga 1680
gattctcata acttgagacc taatctctgt aaagctaaaa taaagaaata gaacaaggct 1740
gaggatacga cagtacactg tcagcaggga ctgtaaacac agacagggtc aaagtgtttt 1800
ctctgaacac attgagttgg aatcactgtt tagaacacac acacttactt tttctggtct 1860
ctaccactgc tgatattttc tctaggaat atacttttac aagtaacaaa aataaaaaact 1920
cttataaatt tctattttta tctgagttac agaatgatt actaaggaag attactcagt 1980
aatttgttta aaaagtaata aaattcaaca aacattttaa aaaaaaaaaa 2029

```

<210> 199
 <211> 543
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3120415

```

<400> 199
ccggcgctgg aggggagagg accgggtata agaagcctcg tggccttgcc cgggcagccg 60
caggttcccc gcgcgccccg agcccccgcg ccatgaagct cgccgcccctc ctggggctct 120
gctggccctt gtcctgcagc tccgctgctg ctttcttagt gggctcggcc aagcctgttg 180
cccagcctgt cgctgcgctg gagtcggcgg cggaggccgg ggccgggacc ctggccaacc 240
ccctcggcac cctcaaccgg ctgaagctcc tgctgagcag cctgggcac cccgtgaacc 300
acctcataga gggctcccag aagtgtgtgg ctgagctggg tccccaggcc gtggggggccg 360
tgaaggccct gaaggccctg ctgggggccc tgacagtgtt tggctgagcc gagactggag 420
catctacacc tgaggacaag acgctgccc cccgcgaggg ctgaaaaccc cgccgcgggg 480
aggaccgtcc atcccccttc cccggcccct ctcaataaac gtggttaaga gcaaaaaaaaaa 540
aaa 543

```

<210> 200
 <211> 531
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 126758

```

<400> 200
gcaagtggaa ccaactggctt ggtggatttt gctagatttt tctgattttt aaactcctga 60
aaaatatccc agataactgt catgaagctg gtaactatct tcctgctggt gaccatcagc 120
ctttgtagtt actctgctac tgccttcctc atcaacaaag tgccccttcc tgttgacaag 180
ttggcacctt tacctctgga caacattctt ccctttatgg atccattaaa gcttcttctg 240
aaaactctgg gcatttctgt tgagcacctt gtggaggggc taaggaagtg tgtaaatgag 300
ctgggaccag aggccttctga agctgtgaag aaactgctgg aggcgctatc acacttggtg 360
tgacatcaag ataaagagcg gaggtggatg gggatggaag atgatgctcc tatcctccct 420
gctgaaacc tgttctacca attatagatc aaatgcccta aaatgtagtg acccgtgaaa 480
aggacaaata aagcaatgaa tacattttaa ctcagaccat cgaatggaaa a 531

```

<210> 201
 <211> 491

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 674760

```
<400> 201
cttctcccat gactgccggc cagtttctctg cacttggttc tctcgcttta ttgctggacg 60
gtgggagaag ggcaagtgca agacggaatc gagggcacct ctgggtgttc tgtacctctt 120
ttcttcttgc accttgggaa gtggaggacg tgggatggaa gaagggcctg gacctccctc 180
cttctctctc cccaccttct cctaaggagc ttgccctgca gtaagcccca actttccctt 240
cctcttttcc ctctatcaga gtcgtcgccc accccccttt cccaccgctc ccctaccccc 300
gccttcctgc caagccgagg gcgacggtga tccccagctt agtaagaaaa gtaaataaggc 360
cgggcgcggg agctcacgcc tggaatccca gcactgtggg aggccgaggc gggcggatcg 420
cttgagccca ggagatcagg ttggagacag ctaggcaaac atggcgaaac cctgtctcta 480
caaaaaaaaaa a 491
```

<210> 202
<211> 1551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1229438

```
<400> 202
ccgggggggc ggcggcgggc cgggcgggac gatgaagcgg cagaacgtgc gcacgctggc 60
gctcatcgct tgcaccttca cctacctgct ggtgggcgcc gcggtcttcg acgcgctgga 120
gtcggagccc gagctgatcg agcggcagcg gctggagctg cggcagcagg agctgcgggc 180
gcgctacaac ctcagccagg gcggctacga ggagctggag cgcgtcgtgc tgcgcctcaa 240
gccgcacaag gccggcgtgc agtggcgctt cgccggctcc ttctacttcg ccatcacctg 300
catcaccacc atcggctacg ggcacgcggc acccagcacg gatggcggca aggtgttctg 360
catgttctac gcgctgctgg gcatcccgtc cacgctcgtc atgttccaga gcctgggcga 420
gcgcatcaac accttggtga ggtacctgct gcaccgcgcc aagaaggggc tgggcatgcg 480
gcgcgccgac gtgtccatgg ccaacatggt gctcatcggc ttcttctcgt gcatcagcac 540
cctgtgcate ggcgcgcgcg ccttctccca ctacgagcac tggaccttct tccaggccta 600
ctactactgc ttcatcacc caccaccat cggcttcggc gactacgtgg cgctgcagaa 660
ggaccaggcc ctgcagacgc agccgcagta cgtggccttc agcttcgtct acatccttac 720
gggcctcacg gtcacggcg ccttccctcaa cctcgtggtg ctgcgcttca tgaccatgaa 780
cgccgaggac gagaagcgcg acgccgagca ccgcgcgctg ctacgcgcga acgggcaggc 840
gggcggcggc ggaggggggt gcagcgcgca cactacggac accgcctcat ccacggcggc 900
agcgggcggc ggcggcttcc gcaacgtcta cgcgagggtg ctgcacttcc agtccatgtg 960
ctcgtgcctg tggtaacaaga gccgcgagaa gctgcagtac tccatcccca tgatcatccc 1020
gcgggacctc tccacgtccg acacgtgcgt ggagcagagc cactcgtcgc cgggaggggg 1080
cgcccgctac agcgacacgc cctcgcgacg ctgcctgtgc agcggggcgc cacgctccgc 1140
catcagctcg gtgtccacgg gtctgcacag cctgtccacc ttccgcggcc tcatgaagcg 1200
caggagctcc gtgtgactgc cccgagggac ctggagcacc tgggggcgcg ggcgggggac 1260
ccctgctggg aggccaggag actgcccctg ctgccttctg ccagtgga ccccgcaaaa 1320
catccctcac cactctcccc cagcaccccc atctccgact gtgcctgctt gcaccagccg 1380
gcaggaggcc gggctctgag gaccctggg gcccccacg gagccctgca aattccgaga 1440
aatgtgaaac ttggtggggt cagggaggaa aggcagaagc tgggagcctc ccttcccttt 1500
gaaaatctaa gaagctccca gtcctcagag accctgctgg taccagact a 1551
```

<210> 203
<211> 936
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1236935

<400> 203

```

gtcagtttag tgtttgtggc attcccgtcg cttttatggc acttcagtca ttttttagca 60
cacttccatc catactacat gtgtcccttt ttccccttaa cttctctaata tgtgtttctt 120
atccttttct ttaaaacccat tgcttcatct gggagtgggt gttcatgcct tggcctccca 180
aagtgcctggg attacaggcg tgagcaccgc gcccgcccaa ctatagtgtt ttcaaaacat 240
gtgtacacat actctatgag gatgcaaatt gagatttcaa caaatatttc tcagtgactt 300
acataaagcc gtgctttatc ttggcgctta gatgaatttt gtttggttgg ttttggtttt 360
ggttttacat atatcctagg aacatagcag gtgatataga gtggtaaaga gcacacgtcc 420
actgttagta ggtattttta tgcacttgtt ttctcatcta taaaataagg ataaaattag 480
tgcctacctc acaggatatt agggagatgg agagaatgct cagaacacaa cagggcctag 540
cacagaggaa gcacaatgct gaggaacgag aaactgcacc tgtaaattct gcagtcactt 600
taaattataa aacgagtatt tgatgtatga tcataacttt gctaagaagc catcagttat 660
aatggatgca tgaactgtag ccatccagtg agtagtgacc aggatggagg agctttatgg 720
agggggaaga aaggaacctc aaagctttcc gattcatttt gaatcatgag atgtctacat 780
gtaaaaattc tgccttggtg aactttgttt ataatgtttt agataatgca ttcacatggg 840
tcagatgtat gaatgtgata tattagttat ttgtttataa atatatattt tataaacata 900
tttataaata tataaatata tatttgggga acatat 936

```

<210> 204

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1359283

<400> 204

```

cgctgtcctg ctaaagcaga ggatcacagc ttaataaag accctaaata tttatcttgc 60
ctgtggtcat gtatagctga acaatgcaca gcgaactcat ttagtttcca tgcgcttaac 120
tgggctaact ctgcttttga gcctaattga aagcttgggg cagggtggagg accggttctt 180
tagcaatcac agacgattcc cacaccacac tcccatatcc ggtcttctct gccgagattt 240
ctccctgccc aagaggtctg ggggtgccctg gacacgtgtg ctcatctcct gtatttggag 300
atctggggct gggaagagaa tgtaaagcaa cctaaacagt aatttaagaa tggagaaaat 360
gggactaaat tattcagaca cgtttgagtg cctactcgct agcaggcatt ttccgctgcc 420
tataattatg ag 432

```

<210> 205

<211> 971

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1450703

<400> 205

```

gggagagagg ataaatagca gcggtggcttc cctggctcct ctctgcatcc ttcccgacct 60
tcccagcaat atgcatcttg cacgtctggg cggctcctgc tccctccttc tgctactggg 120
ggccctgtct ggatgggagg ccagcgatga cccattgag aaggctcattg aagggatcaa 180
ccgagggctg agcaatgcag agagagaggt gggcaaggcc ctggatggca tcaacagtgg 240
aatcacgcat gccggaaggg aagtggagaa ggttttcaac ggacttagca acatggggag 300
ccacaccggc aaggagttag acaaaggcgt ccaggggctc aaccacggca tggacaaggg 360
tgcccatgag atcaaccatg gtattggaca agcaggaaaag gaagcagaga agcttggcca 420
tgggggtcaac aacgctgctg gacaggccgg gaaggaagca gacaaagcgg tccaagggtt 480
ccacactggg gtccaccagg ctgggaagga agcagagaaa cttggccaag ggggtcaacca 540
tgctgctgac caggctggaa aggaagtggg gaagcttggc caaggtgccc accatgctgc 600
tggccaggcc gggaaggagc tgcagaatgc tcataatggg gtcaaccaag ccagcaagga 660
ggccaaccag ctgctgaatg gcaaccatca aagcggatct tccagccatc aaggaggggc 720
cacaaccacg ccgttagcct ctggggcctc ggtcaaacacg cctttcatca accttccgc 780
cctgtggagg agcgtcgcca acatcatgcc ctaaactggc atccggcctt gctgggagaa 840
taatgtcgcc gttgtcacat cagctgacat gacctggagg ggttgggggt gggggacagg 900
tttctgaat ccctgaaggg ggttgtactg ggatttgtga ataaacttga tacactaaaa 960

```

aaaaaaaaa a

971

<210> 206
 <211> 1832
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1910668

<400> 206
 cccagtttta tctgctcctg agactgagcc cagatcccca aatctaattct gatttacagt 60
 tcaaggaagc tgatggggag ctgggcctta cccctgatgt aggaggggca cacagctggg 120
 ggtgcagagc ccacctgggt acctgacccc caggggatga aaatgcaagg gtgagtctgc 180
 ttgggcctga gagtttgatc tgcaggggca ggctcatctt ttctctcccc tgccttctcc 240
 tccttctctc cccagagccc ccttgagccc ctctgcctat gtccctctgc ctccctccca 300
 tgccccagct tgctgtggct tgattctgct accctgaccc caccatgtgc cagggtggcat 360
 ctgccttact gccttccctg aggagctggg acatgctggg cagttgtcag atgtaaaggc 420
 acagctggag cagagggcat gtcagtaatg attggtccct ggggaaggctc tggctggctc 480
 cagcacagtg aggcatttag gtatctctcg gtgaccgttg gattcctgga agcagtagct 540
 gttctgtttg gatctggtag gacagggctc agagggctag gcacggaggg aaggtcagag 600
 gagaaggcag gcagggccca gtgagagggg agcatgcctt cccccaccct ggcttgctct 660
 tggtcacagg gcggttctgg gcacttgaac tcagggccga agcagaagca caggcccagt 720
 cctggctgca agcacaatag cctgaatggg atttcagggt aggcagggtg ggaggggagg 780
 ctctctggct ttagttttgt tttgttttcc aaatcaagggt aacttgctcc cttctgccta 840
 caggccttgg tcttggttg tctcacccca gtcggaactc cctaccactt tcaggagagt 900
 ggttttaggc ccgtggggct gttctgttcc aagcagtgtg agaacatggc tggtagaggc 960
 tctagctgtg tgcggggcct gaaggggagt ggttctctgc ccaaagagca tctgcccatt 1020
 tcccaccttc ccttctccca ccagaagctt gcctgagctg tttggacaaa aatccaaaacc 1080
 ccacttggct actctggcct ggcttcagct tggaaaccaa tacctaggct tacaggccat 1140
 cctgagccag gggcctctgg aaattctctt cctgatggct ctttaggttt gggcacaaaa 1200
 tataattgcc tctccctct cccattttct ctcttgggag caatggtcac agtccctggg 1260
 acctgaaaag gtacctaggt ctaggccctt cttcccttct ccttccctct ccctacccca 1320
 gaactttggc tccctttccc ttctctctct ggtagctcca ggaggcctgt gatccagctc 1380
 cctgcctagc atccatgacc tggttgatgt tacctccaat cagtttcctg tccctacctg 1440
 ctctttggct tggacctata tggccatgct ctggctctac ccttggaag cctgatcccg 1500
 gtgtgtggcc cagcttggtc aggcctggg atgctgcac tccaggcaac tatgcacttt 1560
 cccggggaga gaaccagtat gagaagtggg ggcagggcac acattcatct ttgttaggaag 1620
 gtctggcctg gggtcgggtg aaggagggcc caggtcagtt ctgggggtccc agtgacctgc 1680
 tttgccattc tcttggtgcc gctgctgctc cctgtttctg gagctggatg ttccccagct 1740
 ggcagttgag ctgcctgagc caatgtgtct gtctttggtg actgagtga ccataataaa 1800
 ggggaacatt tggccctgtg aaaaaaaaaa aa 1832

<210> 207
 <211> 567
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1955143

<400> 207
 catagatcca taaatcatca tctgttgcaa aaaagcacat taattgattg gttgaatggg 60
 gagattgaga tatttctttt ctcttcttct gctcaggtgg gggcaacttt tgggggcaga 120
 tgagttctgt tgccacaaaa gttatatagc acatttggtt tgcactgaat cagcgattct 180
 caatcctggc catgcttttag aattatacaa gaaaaatctt caagtatcaa tactcagtcc 240
 ctatcctact gatccaattc atctatgata aagccagagc attgattttt aagttctgca 300
 agtgattcta atatacagcc aaggctaaga actactgata tgttccaaac actcctattt 360
 tggagataaa gaagttgagg ctgaggatga gaccttagca cataaagttc cataactagt 420
 aacagaccga agttctgtcc ttacaaataa aaaaaaaaaa gggcgggccg cgacttagtg 480
 gagcttcgtc ggccccggga atttatttcc cggaccggta ccttgcaggg ggttccaagg 540

ttttcactct atagtggagg ccgtatt

567

<210> 208

<211> 1303

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1961637

<400> 208

```

gggggacaat tccacccact cgaggggctgc cccctcttcc ttagcagacg aaccagtaat 60
gggggcaagg ctgggggcatc ccagcccaca caccctggat gcccagcaag gccacagaaa 120
gagcctgatg tccatgatcc aggtggctct gagaagcttg gcctggacac ctgagcctgc 180
ggcgggtact cctgccttct ccccatctat cccaaggcc tctgcctctc agcctcttcc 240
atggctcggtt taggctgctg agttttctgt gcttcccaa gaaccagtgg gatcaatgcc 300
ggcggcctct gtgatggttg ctgactaatc cgggatttca tgagtcagag gcaccacccc 360
tcaccccgagc tgccctgctgc ttctgacgga tcttggtgct caggctgcct ggctctccga 420
gtgaggacgc agcctccata tttggtgcac tcaggcatgg ctgggacaag ccagctgccc 480
cagggttctt cccctggtga ttctcgctg ctttctcatc tcaggggagg cagtggcacc 540
tccctctccc tgctgacatg aagagagcta tgatatgcca ctgctgcaa ctcatacctct 600
gccccacct cgaaacccac agtcccagc ggagggccac tactcatccc cattggtttc 660
ccaggggagg ggtgttgtct ggaagggcag gttcagatgc agccttccag atttagaggc 720
actgggagga cagtggctga gtggaggcgc ccagacctgg gcaggcagca ggctcaggcc 780
cacaccttgt gatttttgaa accaaagccc agaagatgat gtttacttct ctctccctgg 840
ctctgccctt cttactgcaa accatgctgt gccttagggc ccttctcata gctgttcctc 900
atggccatga ctggaacagg gatgcaacct ctttctacac aagcacagtt agttgggtga 960
agtctttttt tttgttgtt ttagacggag tttcactctt gttgcccagg ctggagtga 1020
gtggcgtgac cttggctcac tgcaacctcc aggccagcct cagcctccct agtagctggg 1080
actacaggca cccactacca cgccctggcta attctttgta tttttagtag agatgggggt 1140
tgaccgtgtt agccaggatg gtctcgatcg cctgacctcg tgatccacc accctggcct 1200
cccaaagtgc tgggattata ggtgtgagcc accgcgccg gccggttgct ggcattctaa 1260
tgttctgtag gtggaatatt tccaataaac acaaggtcgc cac 1303

```

<210> 209

<211> 1355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1990762

<400> 209

```

gcagctcttt tctggaaatt tctcagggga tgtatctgaa gctccaggtc tctgagatac 60
tctggagggc ccgaccttgt ggagatgtgg ccaaccacat gggcctggag ctgggttcaa 120
accctgactt tggcactact tattagctgt gtgaccttg gacagttaat taccactctg 180
caggtcagtt tcctcatctg tgagatggat gtaataatag ggtgtgatga gatgatccct 240
agtgagtcac tgggtgtgct gtggccacca ccattgttgt tactgggaga gttttggatt 300
tggaatcccg tgagcaggat tctattctgg ctgtgccatg tgccagctgg gcagctgtag 360
gaagtcactt cctctctgag ccttcacttc ccagtctcta aactggggct cacaaatgtc 420
gcattgcagt ttgggggtgg atcttttgta agaatggaca gaaaaaagat ggtcaactgt 480
aatgtgttgt gcatcgtgag ctgtcactcc cgtgtgccct ggtctcctgc tggcctcact 540
gtggtttgac tcagacttgg actttcctgg aattctgaac tttgcctctc taagcaaacg 600
ccgcccaggg ggtacactct gccttgtttt ccattggtgcc gtgtttccag ccctatccaa 660
caactggctt ctgacggctt gctttttcac actgtgttct ctgcaaggct gtgtggcccc 720
atgggttaag gtgagggttc tgcaagggtc agccagatgc gagttccggc cctaggcca 780
ccacttactg gtcagggtgac ctcaagtaag ttgcctaacc aaggcttaac ctcttaggag 840
ctcagttttt ctctctgtaa aatggggata ataatagtac ctacctcagg ggaatagggg 900
atgaaaaatg gtcttatgaa atccccctgg ccctaactgg caaaagccaa ctgagttaac 960
ggggctccat tatcactgtt gggacctggg cttgtgggag ctcaggagtc ttctcagacc 1020
tcctcattgc tgtgccagggt ggaggagggt tttgtattta ctgagagcaa ttgggccaat 1080
ggcccatagt ccttgagcac ccagctgacc caggccacag aggctgctca tcttgggtctg 1140

```

```

gtgaccacag gaggctgtgg ctgttgggat gaccctcccc agtggtgtta acaacagtcc 1200
caggccatgt cctgctggcc ttgagttccc ctgtcctctt gtgaatgtcc ctagagccat 1260
ggcctcaagg ttctgaagt tcccaataat gtgacatgct gccagacct cactacactc 1320
cttttttatt ttgagcctgg gtgacagagc aagac                                     1355

```

<210> 210
 <211> 776
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1994131

```

<400> 210
gttcactgcc atattcctag ggacaagtaa agttccctgt atattgtagg agctaagtgt 60
tgaatgaatg aatggtggct gctattattg cttcaccttc accctccaag agtaatctcc 120
ccattctggt ttatagtttc tgtgctcact gcttgtgata atcgtaagta tatattgttg 180
agaacagtgc ctgtttttct tttccctgaa aacacatact ttgacgttgg ctgacatagt 240
tcactcagct gttcctaacc actgatccct ctgtatcaca ggtatctcgg gggagctttg 300
tgccttgatg gatcaagttc atcatatgca gcaactcaaaa tggcagcatc cttcggacct 360
caccacgcga aactacgccc gccgacagaa acatctgcaa agatacagtc tgactcagtg 420
ggttgacagg aacatgcgaa gccaccatcg gttccagcgt ctcccagact tctcgtacag 480
ttaattttgt tcatcccata agcaatgaag gtccctatcc agggctctgc ttggagcagc 540
atttcatggt cttttgctgt tttgtgcttt gccgattttg gattttattt ttcacaaaaat 600
ttttatttaa aaaactcgtc accttttgga aatgccatt gccgacttga atttttttgt 660
atggagtccc cctgattttg tgtgtgtgtg tctgtgttta agcacgcgtt cggttgggtat 720
agttttttat atgtattttt acattaaatt gaaggtagct gcctcctgga aagcag          776

```

<210> 211
 <211> 817
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1997745

```

<400> 211
ggaggcggtta gaggagctgc cttcggaggg tcaggaggag cctttggagc tgggtgtttc 60
cttggccctg cagcgcaactg ctccggggctc ccaaggaggt tgtgtgtatg gttcttaatt 120
catcaggaca aagaccccca gcatgtgtgt accctgggac ccgatttctc tgggcccaca 180
tctatctcca atacctcagc ctccagatcag accctttctt ttttgtcttt cttctcttaa 240
tttttaaatg cctcttttct tgagcattcc atctctcttt ttgacctctc caggactggg 300
cttagctgtc cagagccctg ccggagggtg ctgggggctg tccctctgca ggcactgtgt 360
tttcctcagg ggctgtcctc agaacacccc tctgtctccc tggggctcct caggggagcca 420
tttcagctgg agtctcaggt ctcaaaaaaca acttctccag gaggccaaaa aaagactggg 480
ttggcttctg gtccatga tggtttttat cctctggga cactttgggt atattcatgg 540
gcattgtttc catctgtctt ttctacctgt gccaccctg ccctgattcc acggctgcct 600
caggcaggca ggcaaggagc taggccggtg cccggccctg gcagcaaggg gtctttgtgc 660
agttggagat gctgccgttg tggcagagcg tcctgcagcc ccgcttccat cagcaggctc 720
tgggggtggg gctttgcagg ggatgctctc tgatgtttgt tccgttgttt aaataaaatg 780
cacttatttt tgtttttttt tttgcaaaaa aaaaaaa          817

```

<210> 212
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2009035

```

<400> 212
ttttctttta tatgtattat taaatgactg ttactctaca aacatatggt tgttattttt 60
acttttttga taccattata gtgtaggcat ttcccaggtt tttttggtaa caccattttc 120
ttaatgatat gatgttgcag ccagtggtt tattacagtc ttacttatta ttgctctact 180
gttggtcctt tagtttgctt ttcactcttc tatgtaatgc tgtaagaaat gactttttcc 240
ataaactatt ttccatatat tggatgtata atttaacaca ttctaaacat taatgtttaa 300
acagacataa agcataaaaa ccgagatata tatttgatca tataaaaaat taagctgggc 360
acagtggctc ataccctgta tcccagcact ttggggaggcc aaggtggggg tagactggtt 420
gagctcaggg gttcaagacc agcctgggaa catggtgaaa cccaactcta ccaaaaaaaa 480
aaaa                                              484

```

```

<210> 213
<211> 509
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2009152

```

```

<400> 213
cccagtttat taccattaga ccataccttt ttgtccaatc atttaaaaca aattttttata 60
taataagttt tatttgtatg taataaattt tattatataa aaataagttt taatatatat 120
tatataaaaa gttttaataa atacctataa tattatttaa tatgataaaa cttatattaa 180
atgaaatttt atgctgttct cttgtcaatc tgtcttttgt tatcttgctg gtgtgcctgt 240
catgtgaggg actgcaatct gatatgccta ttttccacag tcaaagcaat tacaagagaa 300
ttgttacaat taccagttta tgtcaagaga ttttttttta attcactaag gtagagataa 360
ggagaatgta ttaaaatagg atatttttaat tataaatgca tgactgggga gggggtattg 420
tttttgaata aaatatgagg ttatttggca tgacaaaaaa aaaaagaagt aggaaaatcc 480
catggaaatt tatgttcctt ctaactttt                                              509

```

```

<210> 214
<211> 1130
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2061752

```

```

<400> 214
ggatttatca cattctgcct tgaatcatag ggaacagcat gtgtagtgga atgaacacag 60
gcctctgaat ccaagatatg agtttaaatc ccagctttgg aggtgggttac ttaaagtctc 120
agtgccctca ttcttcttcc tatataaagt agatattaca atatctaact tacagagtca 180
ttgggagcta tacatgcagc gattgggttaa agcacctggc acatggcaag cgattagcaa 240
atgctggtta cttctacttc tttctcttcc cttttcccag tctatcataa tttccttgag 300
agcaggcacc atgtcttatt tacccttgta tttcccacag tacttcccat agtgagttac 360
ccttagtaaa tactcagtaa gttgaattga atttaaatta cctgtaagtc ttaaaatgtg 420
ggattaaatt aagaatatat tgtcctggaa atacccaaat gtctattgat ggatgaatgg 480
ataaacaataa tgtggtatac acataatgga atattattca gccttaaaaa ggaatgaaat 540
tctgacatgt gctacaatat gatgaacctg gaagacatta tatgtgaaat aagccagaca 600
gaaaaggaca aatactatat gattccactt atatgaagta cctagagtag tgtaattcat 660
agaaacagaa agtacagggt gacatccaaa atctgaaatg agaaatgctc caaaaactga 720
aactttttca atgccgacac gatgctcaaa gaaaatgcta attggagcat ttcagatttt 780
ggatttttgg atttgggatg ctcaactggc ataagtgaat tattccaaac tctgaaaaaa 840
tctgaagtct aaaacacttc tgggtctcaag gattttggat aaaggatact caatgtgcaa 900
catgtagaat ggtggttgca aggtgggagg agagaatgga gagttactgt ttaatgatac 960
aatgtttccg tttgggaaga tggaaagtgt tggagatgtg tgatggttat ggttgcgcaa 1020
caatgggaag gtacttagta ctgcttaact gtgcacactt aaaaatggta aaaatgataa 1080
attttgtgta tgtcttaaaa caataaaaga agtttttttaa aaaaaaaaaa 1130

```

<210> 215
<211> 1273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2061933

<400> 215
attttctccc ttcagcaagc actcattaag gagtgaggct gagtatttta agatagagtg 60
agatctgtga gtgattgaaa ggtgatattt aaaaacttgg atttcattcc agtgtcaggt 120
ttgggtttta agttcctttg gtccaggga gggccaagc agccacagtt gccctaaatc 180
tccatcatta agtcttccag caagggttaag tgcagtatgg aaggagaagg gggaagagga 240
cggtaacggc cccacactcc aggctgagaa agagtaatta ggaggcctga ggaggggccc 300
aggaaaggct gttgggggtg gctgggggtg gtacccgagc gccttccct cacctcaacc 360
agagaagagc atccggttgc tttttaaaagc ttttagcctg ccctagcaag gacaaagcat 420
gtagattag agatgcttct gctgatcgca ggggttctta tttgaaaaca tctatgatgg 480
gggtgggggtg ggaggagaca ggttggtggt atgcaggaaa atcttgcct aaaaatata 540
gagtttgggg gtaaggggtg ggatagccaa gcaaatcag taattatttt aaaatgaaca 600
tatgtatttt tattaacttt tagttaaata cagattttac aacgagggtc gcataagcct 660
aaatctatat agagggttaa ctcaggcatt gtcttgttta tttgtagact ggattaaaaa 720
caacctgtcc tgttttgtca gttcccagct tcttcgttta gaataaatta gacaaaaaga 780
agaaacgtgc ttgtctctgt atacccgcag aatgaagtta ctggtgttaa aactggattt 840
tttcatttta ctaggttccg aagagtccag atgcttggtg gatgttcaat acgtgatttt 900
ttttttaatt gaatgtgttc atttaaaatc ctccttaaca tttctagaaa gacttctttc 960
aataaataat ggaatcctag aggaaaagt gttttttaa agctaggga ctcctccact 1020
aaaagtaacc attggaacc tcgaatgagg gctaaagttt taatcataag agaaaaggca 1080
gcataatgaa atgtgtacac atacatagtc agtgggtccat tttaggaagc cagtggcgtc 1140
tgataaagaa atgttaagag tagtgagggt gaggaaggaa attgtgggga tttgaaatat 1200
tctctttatg ttgtttctct tctgagtcat ggtaaaacaa taaattatca tctctaggtg 1260
gaaaaaaaaa aaa 1273

<210> 216
<211> 1279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2081422

<400> 216
ctttaacaga aggatggggg atagtcagat agtcggagga agtgggtgat ttgaacaagt 60
tcagagcagg gaggaaggct gtgttgggga cttccagctt gctctcctca tgcattgaagc 120
cactcattcc ctttctctct cccccacccc ttcttccct cactttcttc ctttctcac 180
ttctcctttc cctctgtgct agagctcttg gcaccagtca agctgtccca cccctcaggg 240
cctctcagt gactgatgcc catggctccc tctcctaca cccaaagacc ctggcttgcc 300
catgtctctg atgagaattc aaaggagct gtgtttatat aacgtagagg gatttacctg 360
tggtcttttc tttactcact tcctcaaaac tgtacattta tggcatagga tgtcagtcct 420
aaaagtttta ttatcaaaac agtaggtggc aagtaattat tatcataaat ccagcaggtt 480
ctagagaagc caagttggag gagaaagcag gatagagtcc accatgacca ttgattgttg 540
ggcacattct ttctaagaaa cagattaatt ccattgtatc tgttctctgt tatcccatac 600
cagcttatga ttagagtctt gagctcacia cttggtcctc taagaggtag tcagtgggtc 660
gcgcttcagc ttgaccacag cgtttggttc tttctttaa tgttggttg taatgcttg 720
attataaaaag ccttaacacg gccccatttg atcagttccc tgccaactct tgtatcctca 780
tttactaag ctttggtaca ctactagac tgtaacaac ggagaaaaac ctgtgggtac 840
tgaatatgcc atatacaact tgctatttat tctgttccct gtttagaagg ccatggctac 900
ccttaactat ctgaactctt cctgtcctgt aagactgagc tcaactggca tatcctatag 960
gctgctttcc caatcctcc cctcctctcc ttctacttct cctctacctc cctctacctc 1020
cttttccctc tctccctac tcacctgctt tccttttgcc cctccacat cctcttcccc 1080
cttcttgctca tttttccatg tcaagaaatt tccagatata taggaatatg atggagaatg 1140
ctgacaggca gttctttgag tagtcaaat aagatgtaat ggttgaattg tataatggca 1200
atcacataaa ctacatatat aaagcttcta gcttagtaaa ctctaaatgt gtttttttaa 1260

actaaagaat gagggggggg

1279

<210> 217
 <211> 899
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2101278

<400> 217
 tggtttggga atgcttcgaa ttttatTTTT tctactccca attaatcagg agttgatgat 60
 cccatgagca ggaccgcctc catgattggg gagcatgcac ttgtgactgc agggtaagag 120
 tgggaagata ggtttgtgga gtggcaccga caggactgtg attgtgtgtg ggcctgcccc 180
 acatttctct gggggatgct tatgtgagag tgggcccagt gaaagagtta ccaagccacc 240
 cacacccta acactgttct ggatgagaga tgagagcaga ccggcttctc cccatcagtg 300
 cattgtgcct gttgtacacc cctggaggag ccctggagcc agcccagggtg gggtagacaa 360
 tctttttaa ttccatatgg ttgccagctt atttctttca ctgttttact gtaatatctg 420
 gcgtgttttt atttatctaa ttttgtattc agttataacc atggtagggg tagtgaatat 480
 atgacaggtg taatccctgg tgctgcagtg gaccttcttt tcttttggac aagataatac 540
 tgtgagtttc cctccttctc tccctctaatt ttgttttctt tttttcccca gcctcttgca 600
 tccccttctt ttctaccctg tcctacaact atcatatgca cagtcttctc tctttgtgtg 660
 tgactgttac aaaatttcac ttttcaaaat cgaaatcagg tgtttgctca aatgagggga 720
 gatttttttt tttttttttt ttttaaattgc tgagacttca gcagagtact ttccttttgg 780
 tggtttcccc caaaaacca tcagtctggg agagcattgg gagtggaaat catgttgctc 840
 gggatgctgg tttctttgaa aattatataa aacgtatgta aaaggtcccc ccatttggg 899

<210> 218
 <211> 645
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2121353

<400> 218
 caaagtgtct ggattacagg tatgagccac cgcaccgggc ctgttctatt tttctagtta 60
 agggaactga agctcagaga ggtgtcacca gcagggtgtc attcccatgc cagccttgcc 120
 ccccggtctt tcccaggcag gctcctgcgt gccactggc tccagcctgg tctctgtct 180
 ctgtgtgtct tcactctgac tctttgtccc gactctggc ctgcttacag gggccactac 240
 ctgctgtgtg tcccataaca agcgtctggc gttgagacct ctggcatggc aggggctttg 300
 ggggtctggt tccacaaggc ttagccatgg cagaacctcg ttttatTTTA actctttgcc 360
 cctacaaaca aacagcagta cttgccagaa ccattcttgg gattcaggag ctcgggcgac 420
 tgccttggcc tctggcgcga cccaggaggg tggggttggg tctgtgtagt tgccaggccc 480
 acacctgcca gcagggggct gactggatcc atgctttact gtgtttaatg ggggtaacag 540
 gggtcctcac agccctccca gctaaacatt tggaaacaaa caccagccct tttgtagtgg 600
 atgcagaata aaattgttaa tccaatcacc tccaaaaaaa aaaaa 645

<210> 219
 <211> 703
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2241736

<400> 219
 ccacgcgtcc gctgtaaacc agaaaaatgt tggttatcta gaaaacttga gagagcatgt 60
 agattaactt ttctcttttg agttctaaaa cattaactgg aaagattaga taatatacta 120

```

aatgtataca gaagtataca gactatacaa agactgaaac aagtcacctt tgcactacaa 180
ctctataaca ttaccgcaga aatttttggt ctatgtagca tggacctcct aaggaattct 240
gtttctttta gcattgagat ccctggtgct ctttttttac ctcagaattg gtacaatcat 300
tattaaacgt taatttattt caaacttttt aattgaaaaa aggaaaggga aacttaattg 360
gggataaatt caggcatcat attattatga tagagtctcc tgagtgggtc gtctataggt 420
aatgaactca ttggtgttat ttcttggaca tcttggcctt ttaatcaaag actgtgtgct 480
gctatttgct atgagcaagg tttctcaaaa gcaaaagggt cttggaccat ttggatcacc 540
tgagttagaa tctctaggta tagggcccag gtatctgcat tttcacaggt ttcttgtagg 600
tgactttctg caagctaaag tatgagaacc attggcttgg atgtagtctt aaacttttag 660
gtctgtaaat cttgaaatct tgaactgaag gtcaactatt ggc 703

```

<210> 220
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2271935

```

<400> 220
ctttcatcat aattaaagtg ctgtcaggga aaatggcatg gctgagtttt gctgctgttg 60
aaatgacctt cctcctccac tcctcttcgc ttctctcatt tgctaaagtg gtcctttctc 120
tgcctgaaat caggcccttt ggtgatggaa atttttagctt aaagcagagt tctaagcaga 180
atcctaaccg tgcgagggtg gggagaaaaa caatgttttg agctgggtgc tgtttgcagc 240
gaggtgctg tgaggccatt ttcatacagg ggaacgggtg tgggtggctac ttctgggctt 300
tagatccacg caaggctctc taaatacaag tcactgtcat ggtacacaat ttagcaaaac 360
ttggaggctg attttccccg ttgacttagc tagggtcagg aggaagctgt ttagaagtac 420
agaggttctg catctgggag ggtaaaatcc aaacgcctct catgctcaga gggaaagcat 480
gcctgcatgt ttactatcac tgctggccta cgtgcttgtg tgctgaattt agatgg 536

```

<210> 221
 <211> 790
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2295344

```

<400> 221
tccgtccccg gccggtagat tttcttctct ttctaaggct aatggtggta gttttgtttt 60
ttgacgtttt cttataatga gtttttcttt ataattttta atttatgctg taatgtttct 120
tatttacaat gttatctctt aaatctttga gtacattaca ttttctcccc tgataatctc 180
ttctaaatta ctttctctag ttggttttct tccttcctt aatgttagcc attcttcagg 240
tgaaggttaa tcctcaatgt actcttcatt ttaaggga gggctaaaa ccttgtgggt 300
aggacttacc aacggagttt cattgcatga tgatcttatt gagcttattg gtagccctta 360
tctcagtatc tttagttttt cttgggctgg tcagattttc aagagaagac ttttcatttc 420
ctttgtggag ggaaaaggcc ttttaccagc actcttcaag ctgagtaggg gaaagacttc 480
aagcactcag gaagcatgca ttcactttat ttggaacaat acccttactt gtaactgtgc 540
ctcagggtgcc atagtcacac gagacttctt ttacctgtcc agagaataaa attagttgtc 600
tggtggggta acaaaaagtg tggagctgaa gagggtaacct ataaatgaag ttgttttctg 660
gccgggcgca gtggctcacg cctgtaatcc cagcacttcg ggaggccaag gtggagggat 720
cacttgagtc caggagtttg agaccagcct gggcaacata ctgagactcc gtctctccaa 780
aaaaaaaaaa 790

```

<210> 222
 <211> 1045
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> Incyte Clone No: 2303994

<400> 222

```

gggaagttga ggctgcagtg aactatgatt ttaccactgc actccagctt gggcaacaag 60
atgagaccct gtctcaaaaa aaaaaaaaaaag ttttctagaa taagcaggat gattgtttta 120
tttgaagatg gaacaggaaa ctagagtgc tttaaaatac tctgtcttca ttttaacatg 180
ttgaatggaa taactgcata tcaccatgag tttgttttgc ttttcataca gacttgtagt 240
tgtcatttga gtggtttcca gattggagcg aggttattct gatctaaatg aacagcattt 300
ttttccttag cctctgtttg ccactctggg tatctctcct atgggcaaag ccattagaaa 360
tgcataaaac ctcgagacat gggttttggc aaaaactcca tgactttaaa ctagctcttt 420
tactactgac ctttcacaga gaaaaaatat ttcccttgaa aaaaactggg cttgtcattt 480
tttcccttgt agctttaagc agagacataa gtgccttgca ttacacatag taaactttct 540
ttaaaaaaaaa aaaaaaagat tttggagact accagggtaa gattccaact tgtccaaaag 600
ctttctggcc ttacatattt tattataaaa attctcaagt ctggtaatct tctatgtcag 660
agctagtgat ttcaaaaggt ttcaacaattc cccaagacaa aagtgatttt cgttcattat 720
aataaggtta agtgatatgt gattcataac aattttgatg tgaagaaggg aaggacatca 780
ttgacttaat aatagtatca gtcggtgcaa cagttggcaa catgtgcctt cacactttac 840
cataaagaga cgggtttgag gggttgcctt ctaaagtctg caacttcaag aaaaaaatc 900
gacaccgtgg attgaccttc ccgggtccac taatataaag ccaataaagc ttaaaaacac 960
ctttggtaac ccatgtaatt taactccggt ccagtggccc tataattcca attaaaaatg 1020
gttcaatctc ttggaaaaaa aaaaa 1045

```

<210> 223

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2497805

<400> 223

```

ctggcagatc cggacgggca ggactgggtg tgtcccatga gagcacctcc ttcctggcct 60
ttcctgtgga ctttgtccca caccacctgc ctgggttccct tccttttagtc acttccagct 120
ccaggcacag cagttggtga ctcccttggtg ggagccgtgt cccaccgggt cctgatactg 180
ccgtcttctc tttcacagtc ctccaggctt gggccagcct tgggggcagc agagcttctg 240
gggtgagtgt cgagatcctg tgtcctgaga gcggtagtca gggagagggc tggtcggggc 300
agggctgccc gggcaggaca caggatgcgg ccggccaggc tggggccaag gtgttcagac 360
ctggactttg ggctcgtgct ttcttcattg ttgcgccttg ctgcgtgtcc cttggagtct 420
tcatttggtt ttgctttttt tgtttgtttg ttttcacctt atttttgccg gacttaagct 480
agttttgctg ctttttgaaa ctagtggaa aatcatttta ttcctgggga taatttgagg 540
gcttttgaat cca 553

```

<210> 224

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2646362

<400> 224

```

ccgaccccca acctcaagtt gccgcgggaa gagcggctca tctgaacgct ggggcctgct 60
gcagccacca aactgccca ggactgcggg ttgctggctt gtacaccgca gctgccaccg 120
agacaccagc ctctgatggc tcaggaggac ttgtggggag aggtggggg caccatgtg 180
gtgggctctg tgcagcatgt tgccctctgct tggctgtgcc tgcagctcag ggtgctgggg 240
ctcgggaccc accccctgc ttgcggaacc aacttttctc tgtgtgtcca gcaggcccca 300
caacccctc tcctttcttt cagttctccc atgcagccga ggcccgggccc cctcaggact 360
ccaaggagac ggtgcagggc tgccctgccc tctaggtccc ctctcctgca tctgtctccc 420
ttcattgctg tgtgaccttg gggaaaggca gtgcctctc tgggcagtca gatccacca 480
gtgcttaata gcagggaaga aggtacttca aagactctgc ccctgaggtc aagagaggat 540
ggggctattc acttttatat atttatataa aattagtagt gagatgtaac aaaagcttta 600

```

```

ttggtgtgtt tgagctggtg ggtgccacat atttggggat ttgaagaagg aggtgagatg 660
tctggatggg gactgggatg ggtagaggat tcagtgtatc tccgag 706

```

```

<210> 225
<211> 509
<212> DNA
<213> Homo sapiens

```

```

<220>
<221>
<222> 492
<223> a or g or c or t, unknown, or other

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2657146

```

```

<400> 225
aaatttttagt gtattacatt tgcctttact gtttatgtgc agcataaagt tgcttttgtt 60
acaattcatg ttgtttttgta atggtttgat aaagcaaaga aagacatgtg ttactacgca 120
tgatctgtca atgttttaagg ctgttggttg ttcttgtgac tttgctaata tgttttttctc 180
ctgacagggtt aacctgccct cttaactcag cagtggttct agcgtcctat gccgtacaat 240
gtaagtcaca aagggagcat ttcacggatg gacaggttgt tctgatcagt gtgtggagaa 300
agtcaactggt tcctcctgct tgaccaagtc cctcttcccc aggaatcctg ctgggcagca 360
tatctctggc tgtccagata tgtgtttcta ctcagactgg cactctcctg tagcatgggg 420
atgttagatt aaggaagggt gttaaagggg aaagaatgaa tgaactgtgg tgtgaaattt 480
cttccaagga gnccatccga cagcagaca 509

```

```

<210> 226
<211> 2153
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2755786

```

```

<400> 226
gaaggcgggtg gctgaggcgg ttccggagggt tctagtgtcg gagttgggtg caggcagggtg 60
ccatgggccc gcttgaggca cactgagggg acgcggggct gggccatggc cggcgctcgg 120
gccgcgcgcg ccgctgcctc ggccggggtcc tcggcctctt caggcaacca gccgcctcag 180
gagctggggg ttggggagct gctggaggag ttctcccga ctcagtaccg ggccaaggat 240
ggcagcggga ccggcggctc taaggttgag cgcattgaga agagatgtct ggagctgttt 300
ggccgagact actgtttcag cgtgattcca aacacgaatg gggatatctg tggccactat 360
ccccggcaca tcgtgttcct ggagtatgag agttctgaga aggagaaaga cacgtttgag 420
agtaccgtac aggtgagcaa gttgcaagac ctcatccacc gcagcaagat ggcccgggtgc 480
agaggacggg ttgtctgccc agtaatcctg ttcaagggca agcacatttg caggctcgcc 540
acactggctg gatggggaga gctgtatgga cgctcaggct acaactattt tttctcaggg 600
ggtgcagatg atgcctgggc agatgtggag gacgtcacgg aggaggactg tgctcttcga 660
agtggtgaca cgcactcttt tgataagggtc agaggctatg acatcaagct gcttcgatac 720
ctgtcagtca aatacatctg tgacctgatg gtggagaaca agaagggtgaa gtttggcag 780
aatgtaacct cctctgagaa ggtggacaaa gccacgcgt atgccgactt cactctcctc 840
tccatcccgat atccaggctg tgaatttttc aaggaatata aagatcggga ttacatggca 900
gaagggtcca tatttaactg gaagcaggac tacgttgatg cccattgag catccccgac 960
ttctgactc actctctgaa cattgactgg agccagtatc agtgttgagg tctgggtgaa 1020
caaacacaaa actacctgaa gctgctgctt tccttagtta acagtgatga tgacagcggg 1080
ctgctggtac actgtatctc aggtgggatg cggaccccc tcttcatctc cctcctgcgc 1140
ctttccttgt gggctgatgg gctcatccac acgtccctga agcccactga gatcctctac 1200
ctcactgtgg cctatgactg gttcctcttc gggcatatgt tggtagatcg gctcagcaaa 1260
ggggaggaga ttttcttctt ctgcttcaat tttttgaagc atattacctc cgaggagttc 1320
tctgctctga agaccagag gaggaagagt ttgccagccc gggatggagg cttcaccctg 1380
gaagacatct gcatgctgag acgaaaggac cgtggcagca ccaccagcct tggcagcgac 1440
ttctccctgg tcatggagag ttccccagga gccactggga gcttcaccta tgaggccgtg 1500

```

```

gagctggtcc cagcaggagc gccaaactcag gcagcttggc ttgcagccct gagtgatcga 1560
gagactcggc tgcaggaggt gcgctcagcc ttcttggctg cgtacagcag cacagtgggg 1620
cttcgggcag tagcccccag tccttccggt gccatcgggg gcctgctgga gcaatttgcc 1680
cgtggtgttg gactccggag catcagcagc aatgccttgt gaagaagcca gcccatgaca 1740
ttttcctgct cctctctcag ctgagccctt agcagagaat caaagccatg cctggccgaa 1800
ggggtacttc caggtcaggg gaaatttcag tccccatct ccacatgaa catggcagcc 1860
ccaaagctga gcaaggccaa agacagggtt ttccaacccc cagcctcttg actggtgacc 1920
accacccctt cttgtcactg tctcccaccc accccatctt tgctgggatt cccatcaact 1980
ctcagaactg tgtgggggtt ccctggggcc ttgtggaagc catgacttca caaagaccct 2040
acctgtcagt tcttgtttct ggggaggagg gatcacctgc actgagaatg aggcagtttg 2100
acacagatca caaaataaaa tcaaagtctt tttgaatagc caaaaaaaaaa aaa 2153

```

<210> 227
 <211> 791
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2831245

```

<400> 227
ttaactgagg actaagttga tctatgcagg gtctgagtc aaaccctggt gtcaagggtgt 60
taagtgc aaa ttattattat ttttttttaa agaaaacact cttgtttacaa tttggacaga 120
gagaatggtg tggagatgaa aggttctcgt gtatggcttt tgctcctatt tatgtggaaa 180
gcacgcccta cattctttca aagctgtggt gtcccttcta ttctcagtc ccagaattgt 240
gtgcaaacac actctcttgg ccaggggtt tggctgggtg tgtttccttc tggaagtctt 300
cactagcact cttgagttag ctggcaggag atcccttaaa accatttcca agcagttttt 360
ctcacttccc tataggggct aatcctgtac tttccacttc agttccagct gctgttgctt 420
gggaagaaac aaattttctgc tgtgttctca atctccagac ggtccatgaa aatttaaatgt 480
ataagaacaa agaggctggg cgcagtgggt aacgcctgta atacctgcac tttgggagggc 540
tgaggtgggt ggaacacctg aggtcagaag ttcgagaaca gcctagccaa catggcgaaa 600
ccctgtctct actaaaaata ccaaatttgc tgaacgtgat ggtgggggct gttaacccca 660
gtacttgga ggctgaggca ggaaatcgct gaactcggga agcaaagggt gcattaaggg 720
tacgagctcg aattcggtat catgttaaaa ccgtttccgg gttaaattgg tatccgcca 780
caattccac a

```

<210> 228
 <211> 870
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3116250

```

<400> 228
cctgttctcg ccctcaaagt ggaacgctgg cctgggacta aagcatagac caccaggctg 60
agtatcctga cctgagtcac ccccagggat caggagcctc cagcagggaa ccttccatta 120
tattcttcaa gcaacttaca gctgcaccga cagttgcgat gaaagtctta atctcttccc 180
tcctcctggt gctgccacta atgctgatgt ccattggtctc tagcagcctg aatccagggg 240
tcgccagagg ccacagggac cgaggccagg cttctaggag atggctccag gaaggcggcc 300
aagaatgtga gtgcaaagat tggttcctga gagccccgag aagaaaattc atgacagtgt 360
ctgggctgcc aaagaagcag tgccctgtg ttcgagaaca gggcaatgtg aagaaaacaa 420
gacaccaaa gacccacaga aagccaaaca agcattccag agcctgccag caatttctca 480
aacaatgtca gctaagaagc tttgctctgc cttgttagga gctctgagcg cccactcttc 540
caattaaaca ttctcagcca agaagacagt gagcacacct accagacact cttcttctcc 600
cacctcactc tcccactgta cccaccctca aatcattcca gtgctctcaa aaagcatgtt 660
tttcaagatc attttgtttg ttgctctctc tagtgtcttc ttctctctgc agtcttagcg 720
tgtgccctcc ccttaccag gcttaggctt aattacctga aagattccag gaaactgtag 780
cttcctagct agtgtcattt aaccttaaat gcaatcagga aagtagcaaa cagaagtcaa 840
taaataat taaatgtcac aaaaaaaaaa

```

<210> 229
 <211> 764
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3129630

```
<400> 229
gcacctgcga ccaccgtgag cagtcattggc gtactccaca gtgcagagag tcgctctggc 60
ttctgggctt gtccctggctc tgcgctgtct gctgcccagg gccttcctgt cccgcgggaa 120
gcggcaggag ccgcccgcga cacctgaagg aaaattgggc cgatttccac ctatgatgca 180
tcattcaccag gcacctcag atggccagac tcctggggct cgtttccaga ggtctcacct 240
tgccgaggca tttgcaaagg ccaaaggatc aggtggaggt gctggaggag gaggtagtgg 300
aagaggtctg atggggcaga ttattccaat ctacggtttt gggatttttt tatatatact 360
gtacattcta tttaaggtaa gtagaatcat cctaatacata ttacatcaat gaaaatctaa 420
tatggcgata aaaatcattg tctacattaa aacttcttat agttcataaa attatttcaa 480
atccatcatc tctttaaatc ctgcctcctc ttcattgaggt acttaggata gccatgattt 540
cagtttcaca taagaatggt tactcaatgt ttaagtgtgt tgccccaaaa ttcccaacta 600
acaaggcaga actaggggac ttgaccttgg gacctttttg ggtcctaaac tccaggtaag 660
tataaacaat ttcaattggc ctttccctt gccagaataa aaaaaataa aggggcgggg 720
gggttccccg acccccggaa tttccggaaa cccttggtaa aacc 764
```

<210> 230
 <211> 540
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 007632

```
<400> 230
atcttgtggc gatcatgtat aagctggcct cctgctgttt gcttttcata ggattcttaa 60
atcctctctt atctcttctt ctccttgact ccagggaat atcctttcaa ctctcagcac 120
ctcatgaaga cgcgcgctta actccggagg agctagaaag agcttccctt ctacagatac 180
tgccagagat gctgggtgca gaaagagggg atattctcag gaaagcagac tcaagtacca 240
acatttttaa cccaagagga aatttgagaa agtttcagga tttctctgga caagatccta 300
acattttact gagtcatctt ttggccagaa tctggaaacc atacaagaaa cgtgagactc 360
ctgattgctt ctggaaatac tgtgtctgaa gtgaaataag catctgttag tcagctcaga 420
aacacccatc ttagaataatg aaaaataaca caatgcttga tttgaaaaca gtgtggagaa 480
aaactaggca aactacacc tgttcattgt tacctggaaa ataaatcctc tatgttttgc 540
```

<210> 231
 <211> 857
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1236968

```
<400> 231
cacatttgaa cgcgcatgga cttccttcta cctaaacttt cgaacttttt ttagacacag 60
gaagtagcaa gaaggagat gccaaagtac aatcaccagg aagatgcctc tctctagtga 120
cctgggtagt ttgcacggtt tggttggaac ccacagtccc cccatctctg ccagaacccc 180
ccagtgtgac actgtcctca gacagctcct ggagcttgtg gataagcact ggaatggctc 240
cggctccctc ctcctcaaca agaagtctt cggaagttt gaagcaaaaa ctggtcagag 300
tgctggagga aaacctcatt ttgtcagaaa aaattcaaca gttggaggaa ggtgctgcca 360
tctcaattgt gagtgggcaa cagtcacata cttatgatga tcttctgcac aaaaaccaac 420
agctgaccat gcaggtggct tgcctgaacc aggagcttgc ccagctgaaa aagctggaga 480
```

```

agacagttgc cattctccat gaaagtcaga gatccctggt ggtaactaat gagtatctgc 540
tgcagcagct gaataaggag ccaaaagggt attccgggaa agcgctcctg cctcctgaga 600
agggtcatca tctggggaga tcatcgccct ttgggaaaag cacgttgtct tctcctcac 660
cagtggcaca tgagactggg cagtatctaa tacagagcgt cttggatgct gcccagagc 720
ctggcttata gagctagcat ggaactcaca ccacagcttc cctgggtccac agaggctctc 780
accgccattg ccaccagtat ggtggtatgt actcaciaag attaagaaag aaatgtattc 840
tgattaaaaa aaaaaaa 857

```

<210> 232
 <211> 1010
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1334153

```

<400> 232
gggaaccacc ttctgttaga cagtcaccag gccagatcca gaaggcttga ggccctgtgg 60
tccccatcct tgggagaagt cagctccagc accatgaagg gcctcctcgt tgctggatc 120
actgcagtgc ttgttgacgc tgtagaatct ctgagctgcg tgccgtgtaa ttcatgggaa 180
aaatcctgtg tcaacagcat tgccctctgaa tgtccctcac atgccaacac cagctgtatc 240
agctcctcag ccagctcctc tctagagaca ccagtcagat tataccagaa tatgttctgc 300
tcagcggaga actgcagtga ggagacacac attacagcct tcaactgtcca cgtgtctgct 360
gaagaacact ttcatTTTTgt aagccagtgc tgccaaggaa aggaatgcag caacaccagc 420
gatgccctgg accctccctc gaagaacgtg tccagcaacg cagagtgcc tgcttggtat 480
gaatctaattg gaacttctct tctgtgggaa ccctggaaat gctatgaaga agaacagtgt 540
gtctttctag ttgcagaact taagaatgac attgagtcta agagtctcgt gctgaaaggc 600
tgttccaacg tcagtaacgc cacctgtcag ttctgtctgc gtgaaaacaa gactcttgga 660
ggagtcatct ttcgaaagtt tgagtgtgca aatgtaaaca gcttaacccc cacgtctgca 720
ccaaccactt cccacaacgt gggctccaaa gcttccctct acctcttgcc ccttgccagc 780
ctccttcttc ggggactgct gccctgaggt cctggggctg cactttgccc agcaccccat 840
ttctgtcttc ctgaggtcca gagcaccccc tgcgggtgct acaccctctt tccctgctct 900
gccccgttta actgccaggt aagtgggagt cacaggtctc caggcaatgc cgacagctgc 960
cttgttcttc attattaaag cactggttca ttcactgccc aaaaaaaaaa 1010

```

<210> 233
 <211> 1981
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1396975

```

<400> 233
cagcactttg ggaggctggt ctggaactcc tgatctcagg tgattcacc gcctcagcct 60
tccaaagtgc tgggattata ggtgtgagcc accgcgccg gcctggatct gttttcttag 120
cacgcagtga ggaatctttg tacttaaggc cagggcaaca aagtcaagag gtcaagggtg 180
agggccatga ggccctggacc tatgtctcag gcaagggttt ccatccccgc tgccctaggc 240
actctcttcc caaggccagg ttgggcacct ggggaggtca gttcagaaat atctagcaga 300
gacctcttaa acccccatcc cagcacccca tctgttgtt cccagagctg gtctcccatg 360
agtgtgctag agccagatag ccgtggcccc ccacctctc cactcacaca cacaggcatc 420
catcaccccc agaagacttc ccaaattgagg ccagactcag ggtcacgggg aatgtgcttc 480
tgccctgtga agggcttttg ggaagggggc aacatagtag aggctggaaa gagcccccaa 540
acctgtgccc atgccccctc agccctgcgt ttccattctg ccttctcaga gtgcccttgc 600
tgcaccaga ccaccggcca ggagagacct tctctccccc tccagccct ctcactgccc 660
ttcaactaga gctttcacct ttttacattt ccttctgaa ggacacaaat ctgcttttct 720
gccatacac tggcccaagg gctcacctaa cttgggagg aaggggctgt tggtaacaag 780
atgattttct gttagactgc cattttgcac ggtctcccc ttccatctg atgtgtcctg 840
cccctcagct ctttgcccta tctgtgtcac tgtcacttta gcaaaaatac agcggccatt 900
tgtatcagcc tctggtggtt gcttgtgagg tgggactctt gcgggaacag gtggactttg 960
ggaggagtgg gcaggagggg agtggtagtg gcagttctcg agtatctga ttaagccatt 1020

```

```

ccgttagttc agttgtgccc tggagggcag gggacagggt cagtatctct ggggctgcag 1080
gccctcttgc cttggccctc ctggcatggg gtaaccacca gctcagctct cctcctccag 1140
ctttcctctc tctagcacac ccagccagg gcaaggatgc ccacgggcat agctacagca 1200
acccctgcgg gatttggtgt ccacaccga gaggccaggc cagatgggaa agggattagc 1260
gcctcttccc tcacactctg ccaggctgcc gggagcttgg gccaggctta aggtaatgag 1320
gtgctcctct tctgtctgga aaaaccggac agactcagaa ccacaaaggc aggtgctgcc 1380
agcctggcgc ctctctctct gcttaggctg ggtgagcttg tccaggcctg tgccctaccc 1440
cttctctctt ctaggctcag tgtatgctta atcaggcatg gtgcatacaga gcggaagga 1500
gccatcaaca gtgtatactt ctggagcctt ctactgataa acagaggccc cagaagacga 1560
tttgacttac ctgagctccc agctgggact taaaccaggg tgtgtctgag tcacaactct 1620
tcggggatgc cgtggtgagc tggggctgag ctctgtatt cccactcccc caccacccc 1680
ccactcctgc catatcaggg ctggtctctg tggactcagc ccagggctgc ctctctttg 1740
tcaccccaaa gtggggcagc caggacagc cagggtgtgt tcagaatggg ttcttctgct 1800
agggcaggaa gggcagattg ttaaaggggc tgccggcccag accaccctgg tccctcctcc 1860
ggcagtgact cagaccaca ctgtgccgtg cagctgtgtg ccctgcacac ccgcttgacg 1920
gcgactgct cacttctggg gggccctttc agaggcactt ttaaagcaaa taaaacattt 1981
a

```

<210> 234

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1501749

<400> 234

```

gcgcccggtt ctccctcgca gcacctcgaa gtgcgccctt cgccctcctg ctgcgcgccc 60
gcccgcattg ctgcctcccc cgcgcgccct gctgtcctgg ccctgaccgg gctggcgctg 120
ctcctgctcc tgtgctgggg ccagggtggc ataagtggaa ataaactcaa gctgatgctt 180
caaaaacgag aagcacctgt tccaactaag actaaagtgg ccgttgatga gaataaagcc 240
aaagaattcc ttggcagcct gaagcgccag aagcggcagc tgtgggaccg gactcgcccc 300
gaggtgcagc agtggtaacca gcagtttctc tacatgggct ttgacgaagc gaaatttgaa 360
gatgacatca cctattggct taacagagat cgaaatggac atgaatacta tggcgattac 420
taccaacgtc actatgatga agactctgca attggtcccc ggagccccta cggcttttagg 480
catggagcca gcgtcaacta cgatgactac taaccatgac ttgccacacg ctgtacaaga 540
agcaaatagc gattctcttc atgtatctcc taatgcctta cactacttgg ttcttgattt 600
gctctatttc agcagatctt ttctacctac tttgtgtgat caaaaaagaa gagttaaaac 660
aacacatgta aatgcctttt gatatttcat gggaatgcct ctcatthtaa aatagaaata 720
aagcattttg ttaaaaaaaa aaaa 744

```

<210> 235

<211> 979

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1575240

<400> 235

```

gggatgaagc ccagcaagtt cacagggatc cggaagttg tgtggctgga aaccaggca 60
gggctgcacc acagggacca tttgctggag atgcagcact tgccacagcc accaccactg 120
acagcatgac accacaaaaa agggagcctc cagctgcacc cctgctgctg cgagtacttc 180
ctcagctgtc tgccatgagc ttaagggtta gtaccaggag ggaggatatg attgggcaaa 240
cctcaggcat gtgttcattc tgtagcttcc agaacatgcg aggagagagc atctggctcc 300
tttgtctcga ggaggagggg gcaggactct gccagaactc actcgataaa agattttccc 360
aaaaggaagg gtgttcagat gacaaaagtc cactacacca ctttccttgg ctatctgatg 420
caccctcctc ttcccatgcg gcacacctcag aaatcaggct cccacctgac ataacacaac 480
catgcctcac aaaaagacag tggtttatcc cttccctagg agaaaagaga ggcaatgcc 540
agctgcttca tcaactgtta atactctctc cagcccgcaa ccaggatat ctgcagggtg 600
ctctccctct ggtttggtea tggctctctc tgttctagaa tgtatgggtt aaagtgcggt 660

```



```

gccacacccat gccctcggca gtgtggtcca aggaccctg agggctcctca aggtccttcc 720
tttcccaacc ccacgtgggt ttcttcagtc aggataccat actgcaacag accgaaggcg 780
gaagcagcta tgaggatgca gcagccttct gttaagccag gctttaagga tctgcaaaaa 840
tgtaaaacga tgccactcct actgatgaaa tatattgttt tggaataat aggtttaaaa 900
atTTTTTTTaa ggtaacatgt aatggatgta tagtcttcaa atggatgaat aaatgttttt 960
cagagttaaa aaaaaaaaaa
979

```

<210> 236
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1647884

```

<400> 236
cccgactgtg cgccgcgggt ggctcggggt cccggggccga catgggcgcc gccgcgtggg 60
cacggccgct gacgctgtct ttcttctgct tgcttctgcc gctcccgggg atgcccgcgg 120
gctcctggga cccggccggt tacctgctct actgcccctg catgggtaag gcctcccaag 180
ccctctgctc agatggagaa actgaggccg ggagaggaaa agccactcct cagatgcgcc 240
cagagacacc ttacacaggtc caggagagaa cctcagagcg ggacggggca tgctcttctc 300
ctctctgcct tagttgcaag ggcacagagg ggccaacgtg tccaactttc catttgacag 360
atgagaaaaac tgaggctggg agagggttacg tgacttgctt gaggtctaag ccagtccagg 420
gtccagtaaa tggagttagt ggggcaggac ttgatgtcac tgaccacgc tggctcctgg 480
tgatttttca ttgattcagc aaatatattat ggggcaccta ttctgtgcc ggccctgttc 540
tctgtactgg gaataccgca gtgaataaga taaactccgt gtccttgtag agccttcatt 600
ttagttgggg aagacaaaca attgagaata agtaggccag gcgcggtggc tcaacttctgt 660
aatcccacca ctttgagaga ccgaggcagg atcacttgaa gccaggagct cgagatcagc 720
ctaggcaaca tagtgaaaat ccaatctcaa aaaaaaaaaa 760

```

<210> 237
 <211> 1080
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1661144

```

<400> 237
ttttttgtat ttttagtaga gatgggtcta accatgttgc ctaggctgggt ctogaactcc 60
tgagctcaag cgatcctctt gcctcaacct cccaaagtgc tgggattgca gctgtgagcc 120
accgcacccg gccgcattct tctaaatcac agtacatctg gttcccagtg cccaggctct 180
cagggcagag ggtccagtgt gatcactttg catggcctct ctcccctcct gagcttgtgc 240
cagggcccca gggctgacct ggagaaggaa aatggcagag ggtgaagatg ggggtgtctg 300
tttggggacc atcctggccc cccttgtcac tgttggcatc tcttctgcac agtggcattg 360
ctgggaggtg cttactgtgc ctattcaagg ggctggcagc cgcagcctca ctgcagatca 420
gggacttggc ttcccggttg accacaggtc caagaacctg cagggtccag cctccccccc 480
atccccagtc ttccccaccc tggcccggcc ctccaggtgc agaaacatgc aggcccctct 540
ccaggactgt gggaggagtg tgtccctcag actggcctgt gtccctggctc ctcttaccac 600
ctcttcagga ggttgtcacc tgcagctgcc ccaggataaa ggcaaggcca gagaggactc 660
ctgaactcct gtgtgcctgg ggtggcaggg gcaaactatg ccaactgggt gcctgagcgg 720
ggccatggtg aggacacct tggtggtctg tcccacatca agctgggagg tgacactgag 780
gatgcattag tctgcagcgt atgataaaaa cggcatttca ggccaggcgt ggtggctcat 840
gcctgtcacc ccagcacctt gggaggccga ggtgggcgga tcatatgagg tcaggacttt 900
gagaccagcc tggccaacat ggtgaaaact catctgtact aaaaaaacia aaattatgtg 960
ggttggtggt gtgcgcctgt aatcccagct acttgggagg ctgaggcagg agaatacatt 1020
gaacctggga ggcggaggct acaacgagcc gaaattgcac cactgcactc cagcgtgat 1080

```

<210> 238
 <211> 1129

PF-0541 PCT

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1685409

<400> 238
caacgtccga cagaacgagg ggacgtaacg gaggcaggtt ggagccgctg ccgtcgccat 60
gacccgcggt aaccagcgtg agctcgcccc ccagaagaat atgaaaaagc agagcgactc 120
ggttaaggga aagcgccgag atgacgggct ttctgctgcc gcccgcaagc agaggtagcc 180
ccagggaggg gagggaaagg gacggtggag acctgggtta gaccaagggg tatagaagga 240
aagagagcta cctcagggct tgaatgtgga ctagtcgtga ggagcagagt gcattgcttc 300
ctctagggtt ttatttcctc cccaccctcc aaattgttag ctcacagcct tacaggaaag 360
gacgggggcg ggcgcctgcc ctcaagtctga tttctgagcg tccctgggtc tgaccttaag 420
ggcaagggca gggagcttca catttcaaata acagttgtgg ttacggcagc ccagtacttt 480
tgccctcctc tgctgttcgg ttctcctccc ttctcccaac ctctcactg gtgttgctgg 540
gtgtggtcct caatacagaa tagagaccct tgggcctgtg tcaccagact tctgaccttc 600
tgggcaacag ccagatggag actggctgcc ttttgagcct cagctctctt cctcttggtc 660
tcctagggtg ggagtacagc agccaaacgc tgaacttagt cccatccact tccatcttat 720
cctttgtgcc ctctcatccc ctgcactctt tcttttttgc cctctggtac ctcccagtgc 780
cccatcatct ctacccccag ggactcggag atcatgcagc agaagcagaa aaaggcaaac 840
gagaagaagg aggaacccaa gtagctttgt ggcttcgtgt ccaaccctct tgccttctgc 900
ctgtgtgcct ggagccagtc ccaccacgct cgcgtttcct cctgtagtgc tcacaggtcc 960
cagcaccgat ggcattccct ttgccctgag tctgcagcgg gtcccttttg tgettccttc 1020
ccctcaggtg gcctctctcc ccctgggcca ctcccgggg tgaggggggt accccttccc 1080
agtgtttttt attcctgtgg ggtcaccccc aaagtattaa aagtagctt 1129

<210> 239
<211> 2370
<212> DNA
<213> Homo sapiens

<220>
<221>
<222> 122, 124
<223> a or g or c or t, unknown, or other

<220>
<221> misc_feature
<223> Incyte Clone No: 1731419

<400> 239
agaaacttgg cccaagtttg tgacggttct gggtatgaaa gaagtcagtg tttcccaagt 60
gcctgccatg tgcgaggctc tgtgctgggg cgggtgcatg tgtgctgttg gggcggtggc 120
angnggggtg ggaaaggcct gtgacatttc ctctggtggt ttccacgaac ccaggcgctc 180
cccctcggtg gagataaagt ggagccaccc agctccaccg tgtctcagcc tggggctcggc 240
ctctgctgct tctggactca gtgaccctgg gctgtcaggg agcttctgag ccttggtttt 300
cctgtcagat aagatggagg taatcgtgtc ttatgggggt gttttgaggg ttaaatagagc 360
tggtggctgt gtgggaaaga gctctgcctc ccgacgggag gaactgtgct gttcttatta 420
ttgtgaactt agtgacaagt gtggcaactat taccatttcc cttgtctgcc cccaaccctg 480
gggtcttggg cagagaacag gagttcttgc cattttctcc cagctccac cttgtgctgg 540
cttgcggtg ctgaggtcat atttgctggg tgaaagggtg caggccagat atgagccagg 600
cctggcagag agggtttttg tcagcagtg taactgcagt gttctctgca gttgggtttg 660
gctggccctg ctctgagaa ctctgggtt gtcccttcag gcaaccaggg aaggctcctt 720
ggagcagcag catctccctc taccactcgc cgacaccagc ttccgcctga ccagagagaag 780
gagtttgggg acagccacag cacgtccagg gcttccaagg cagctggcag agccaatgag 840
gagaccccaa caccatccg acggctgcag ctctccctga cgtgtgttac cgcagccctg 900
gtcccagccg ctgtgcttct cagggcctgc ctgcccagcc cgggtggata tgggtgccag 960
gcgggccccg gggacacaat gagggccatt ctgagagcca ggcagagcgt gtggggcagt 1020
cctgtcagtc ctatgtgcaa cagctgggat attgtttagg gagtgcctgg atcaggccgg 1080
ggctctcttc ctctggccct gccctttggg atgagcaagc ccccaaaggc ctctctgggt 1140
tcctctggtg cacgtgccct ggagttaccc ttctgaagga ggtagacttg tctcctgtc 1200
ctgggtgcct ggggtgcagg ggtgtgaatt gggctatgtc aagatatgct gggcagtagt 1260

```

gtgaggtggg ggcagagggg agaaggtgtc ccaggaggag ccttcctgga ggggatgata 1320
gtccagcatg ttctgaagtg ggagtagggg gcggcaggag tagggtagca gagaatgagt 1380
gagtcaggca gcagcctcca ctgcgccttg gacacagggt gccgacagtg tccacctgga 1440
ctggcttttg accccttctg aggtcacagt tgtgtccctt gaaaacttgg gcaggagcac 1500
ctgactggcc cagcttgggt catgccctag gccagcagt gcgggaggcc aggaaagtag 1560
gcttggggag gctggcctct cctccagttt gaagcatggc aggggttccg ggggaggctg 1620
ctggggggcc tgcgagcatg tccagagcag gaatgcttgg ggtggtgtgt gctttgctcg 1680
tctgggctta tctggcctg gggaaagctg ttgtgcggat gacgttcaact gagctgtgca 1740
cgcacatctc atggagtctg cgggtgtgagt ccttttgccg ctccagggtc acagcctgcc 1800
tccctgctcc agccccctgg ctgaggccct tcctctgccc catgctcttc tcagacagga 1860
atcctgtgga atgtcatctc tttggggagg ccgtctctga ccctgtatgc aaaggccttc 1920
tcccacatta tttttggcac cccactttct tccccgtgaa agcaaattgt ttggtgtctt 1980
tctgtcccac tacagtatag gcccggttca gacagaggcc ttgtccacta ggcctgcgct 2040
atctctgcgg agcccagcca aagcaggggc caggcgaatc ttttgtaaaa agaacaatgc 2100
gcgctgggca cagtgtctac gcctgtaatc ccagcacttt gggagtccga agctggagga 2160
tcacttgaac ccaagagttt gagaccaccc tgggcaacat aaggagaacc catctctaca 2220
caaaattagc tgggcgtggg ggtgtatgcc tgtagtccca gctacttggg aggctaaggt 2280
gggaggtggc tgaggtggga ggatcacttg agcctgggag gttgttgtag tgagagccat 2340
gatcgcgcta ctgggcaata gagcagaacc                2370

```

```

<210> 240
<211> 981
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2650265

```

```

<400> 240
cggactgccc tgaggggcggg aaaggggtggt cactgggtca gccgaagca cctgacatga 60
gggcggggac cccgaaatgc acacgaagtc cggaactggt cttctgtgat tttcattcgc 120
cctggtctct gttccctttc gtactcaaag ctctgtcatc cagggagggg aaaccggaga 180
tagggctctt gggccccggg cagaccctct gtgccgtgc aaaccgttgc agcctgaggc 240
tgtcagggtc tccccagac acctgcggac cctccctctc ctggcttccc gtctggtcac 300
ggcgagattc tgggtctgcg tagccggtgc tggcttcttt cttgcatttt tggttttgca 360
ttcgcgtttt tgtggctctc cagtttttag gaactttact tttgcagttt cctggagaac 420
tgagaaaatt ctttaccggc tggatgtggg ttggcctaag caccagaat attttaccgg 480
aacaacattt tgtgttgtag ttgactccct caatggattg gtttacatag gtcaaagagg 540
ggataacatc ccaaagatat tagtgttcac agaggatgga tatttcctac gagcctggaa 600
ttatacagtt gacacacctc atggtatatt tgcagccagt actctatatg aacaatccgt 660
ctggatcacg gatgtaggaa gtggtatgta tagtaatatc tattaattaa tcttactgga 720
aatcacatct ttgcacatgt ccttgtttgc attgtttaaa atcagagttg ctgaatctaa 780
ttgtaatttc tttaacgatt catgaaatca catgttttta acaaacttta ttttgtactt 840
ctgtggaatt aagaaattta acaagggtcg gacgccgtgc tcacgcctgt aatcccagca 900
ctttgggagg ccgaggcggg cggatcacga ggtcaggaga tcgagacgat cctggccaac 960
acggtgaaac cccgctctcc a                981

```

```

<210> 241
<211> 1204
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2677129

```

```

<400> 241
aggagaggaa ggtaattaca ttaagcatta taatatagtg tgttaaatgc taatgatcat 60
aatcattgaa cccttctcag tcctcatctt atttaaactc ggtatttttag cagacttttt 120
tgccttactg ctattaatta attttttttt ggtctctttc ttctttgctt accctttggt 180
taacaaccaa atcaactcta gatcaatgaa tgaaataaaa aatctccagt acctacctcg 240
gaccagtgaa cccgcggaag ttctctttga agataggact agagctcatg ctgatcatgt 300

```

```

cgggtcagggg tttgactggc agagtacggc tgctgttggg gttttgaaag ctgtacaatt 360
tggtgaatgg agtgaccaac ctgcgcataac caaagatgtg atttgttttc atgctgagga 420
ttttactgat gttgtacaaa gacttcagtt agatcttcat gaacctccag tttcccagtg 480
cgtacagtgg gtagatgaag ctaaactaaa ccaaagagg cgggaaggca ttcgttatgc 540
tagaattcag ctttgcgaca atgatatact cttcatccct agaaatgtca ttcatacagtt 600
caaaacagtt tcggcgggtg gcagcttagc ctggcatata aggccttaaac agtaccaccc 660
tggtgtggaa gccactcaaa acacagaaaag caattctaac atggactgtg gtttaactgg 720
aaagcgagaa ttagaagttg actcccaatg tgtgaggata aaaactgaat ctgaagaagc 780
atgcacagag attcagctgt taacaactgc ttcatactct tcccacctg catcagaact 840
taatctacag caagatcaga agactcagcc tattccagtt ttaaaagtgg aaagtagact 900
ggactctgac cagcaacaca atctgcaaga acattcaacc acttctgtgt gatatgtaca 960
tattcaaaaa catttttttaa ctttttttaa ttttgatgtg aagttatagt tttataactg 1020
gcttaagtta agttttattg gagaaatctt gcctataatt ctataaagag aaatgacatt 1080
caciaaatgtc agcatatctt tttacacaga tatgcaagtt agagtgtatc tatccggtag 1140
tacgtatgta taagtgggtc gcgcacttct gttttaaggg tgaggtacat ccatctctct 1200
cgag                                     1204

```

<210> 242

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3151073

<400> 242

```

cacagacaaa ccgtcaacag ctggtctcgc atgtcctttg ttcccgggtct getcttgtgt 60
ttcgttctcc tcctgtgtgt tagccctgtg taccttccct ctcgttcacc ctccacattt 120
cccatctctg agcccctcag ctttataggg atgtcagctt ggccccaatg tagtccatt 180
tacagccaga ctcttggaact tgcctatgag ccatcttcat ttccaaaaag gcgatattgg 240
gtatgtacat tgcataaat aaagtgggaa tgtcccagaa gcagaaggac atctgatgca 300
gtccacgcca ataaattggg cttaccttta aaaatcatct gaatatgcag gtcttagggc 360
agagaatata gacagcttaa gattttctaa actacaagtc ccacccaaaa tacgggtattt 420
tcatgatttc ccaaagggtg accatcagca agactggata tttttcagac ttaagatgac 480
tgttcagtag ctgatgttct ggaaaagatc tgggccttca ccatgaaatc ttaaagtgtg 540
gcagttactg gatgttgaat ttgaaacctt ttcatcttct tttttaaaac aagcttggtc 600
atttctgtgc aatgctataa ttcggaacga aacaaagcac aatgttaata aggtagacac 660
taattcattc ctctgaagag agatctcttc cagacatttt aagccagggc aagaaatgtt 720
taaagatgtt ttctgcagtt gccgtagaaa cactccttag cagtcattct ggctgttggt 780
aaaa                                     784

```

<210> 243

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3170095

<400> 243

```

ctccattaaa ccaccaccag ctccccaagc cacccttca gccatgaagt tcctgtctct 60
ggtcttggca gccctcggat tcctgaccca ggtgatccca gccagtgcag gtgggtcaaa 120
atgtgtgagt aacacccacg gatactgcag gacatgttgc cactgggggg agacagcatt 180
gttcatgtgc aacgcttcca gaaaatgctg catcagctac tccttctctg cgaagcctga 240
cctaccacag ctcatcggtg accactggca atcaaggaga agaaacacac aaaggaaaga 300
caagaagcaa caaacgaccg taacatcata ataaccactg ctatcgcttc caccaactca 360
gagaaatc atttccacag ttccaattcc tcctacattg ctgagtacta gccaaaggctc 420
ctcttt                                     426

```

<210> 244

PF-0541 PCT

<211> 1732
<212> DNA
<213> Homo sapiens

<220>
<221>
<222> 1651, 1655
<223> a or g or c or t, unknown, or other

<220>
<221> misc_feature
<223> Incyte Clone No: 3475168

<400> 244
cgggaccaga gcacgttctt ggctgcagag gccacaagtc acgctgtctc tgagagtgga 60
atgtcaccat cgcccagggt gggatttttg tgtgttttgt tcaactgctgt acaccagcc 120
cccagcacag cgctgttcca ggacaagtgc ccagtaaaca cttgggaagc aatgcaagcg 180
tcctcccagc agctcctgca aacagacccc cgacccaagc ctttccttct gcctccactg 240
ccaccactgc tgctcatctc tgctggcaca gaagtctctt ccctgggtctt ccagaaatcc 300
cctctccaca ctacagccaga gggagctatt aaaactgcgg gccagccac atcagtccac 360
agcaaagtcc tctctaaggg atctctgttg cttggagaat aaacctcgg attccttctt 420
tggtctctcg ggcctcctct ctgacctccc tctgtctcct ctcccagcct tcctcctcac 480
tcacctcca gccatgctgg cttcctcctt gctcctgaaa cagcctgaga gccacactgc 540
cccgggcctt ttgcaactgg tgtttcctct gcctggagca cttctcctag gcatccacag 600
ggctccctcc cacaactcct tcgggtgccc acatgggaag ccatccctga ccccccccc 660
gacttccttc tgagcaagggt agggctcttc tacctagtca tgagggcagg gatttttgtc 720
tggtgtgttc tctgtgtgcc ccagtgcca tcccagtgcc tggcagatgg taagtgtctg 780
acacacattg gctgactgcc tgaatgaaca actctatgag ccgatggcag ataaggacac 840
tgaggtcttc tggggtagggt gaccagccca aggccacaca gctggtctga gattaggcca 900
ggagaggagc ccgggttggt cacatcctgg agttggcgtc ttggaaactg catcaggaga 960
ataacaaaga tgagacgcag gctctaacaa gtggatacca gtgactctcg ccccgccagc 1020
cccagccttg cagccttggt cccttccagg agtcatggtc tgctgcctg gggcattcca 1080
ggcttcgacc caggtcctgc actttctatt ttgagcctct tagtcctgag gactgtgtgt 1140
tcccagcagg cggcgcgggc cagaggctga gcctgggtgt ggctgtcacc ctatctgggg 1200
ccagagaccc agattcccgg gcccttaacc tgttggtctc tgagggctct ggcataagcc 1260
ctgttccttg cttgattgtc tccccttcaa gccctgccc tggtatcgta tcggcccatc 1320
tcaccttgga ttatatccct gtttggtccc atttgaatcc tggctctgcc cctttccagc 1380
aatgtgacct tgggcaagtc acttcatctc tctggtctca gttcttcatc tggaaatggg 1440
acaataagag tacctgtctc tggccatgtg tggtagtca tgctgtaac ccagcgctt 1500
tggaagccg agccgagaga attgcttgag accaggagtt tgagatcagc cctgggcaac 1560
atagttagac ccctgtctct acaaaattct aaaaaatta gccggttggt gtggtgtgtg 1620
cctgtagtcc cagctattct agaggctgag ncggnaggat tgcttgagcc cagcagtttg 1680
aggctgcagt gagctatgat tatgcccgtg aaggccccc aaaaaaaaaa aa 1732

<210> 245
<211> 918
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3836893

<400> 245
agcctctagg tcattgtggt gccttgtagc tgtcccggga gccctcagca gcagttggag 60
ctggtgcaca ggaaggatga ggaagaccag gctctggggg ctgctgtgga tgctctttgt 120
ctcagaactc cgagctgcaa ctaaattaac tgaggaaaag tatgaactga aagaggggca 180
gaccctggat gtgaaatgtg actacacgct agagaagttt gccagcagcc agaaagcttg 240
gcagataata agggacggag agatgcccac gaccctggca tgcacagaga ggccttcaaa 300
gaattcccat ccagtccaag tggggaggat cactatagaa gactaccatg atcatggttt 360
actgcgcgtc cgaatggtca accttcaagt ggaagattct ggactgtatc agtgtgtgat 420
ctaccagcct cccaaggagc ctacacatgct gttcgatcgc atccgcttgg tggtagccaa 480
gggtttttca gggacccttg gctccaatga gaattctacc cagaatgtgt ataagattcc 540
tcctaccacc actaaggcct tgtgcccact ctataccagc ccagaactg tgacccaagc 600

```

tccacccaag tcaactgccg atgtctccac tcctgactct gaaatcaacc ttacaaatgt 660
gacagatata atcagggttc cgggtgttcaa cattgtcatt ctcctggctg gtggattcct 720
gagtaagagc ctgggtctct ctgtcctgtt tgctgtcacg ctgaggatcat ttgtacccta 780
ggcccacgaa cccacgagaa tgtcctctga cttccagcca catccatctg gcagtgtgtc 840
caaggaggga gggaggaggt aaaaggcagg gagttaataa catgaattaa atctgtaatc 900
accagctaaa aaaaaaaaaa                                     918

```

<210> 246
 <211> 676
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 4072159

```

<400> 246
gctcacacag ctcccggcca ggtcaccgcg catggctctc cctctgccct ggctctctcg 60
gtaccatttc ctctgcctcc ttctgccctc ctggctcctg gcaccccagg gctcccatgg 120
gtgctgtctc caaaacccca aagcaagcat ggaagagcag accaactcca gaggaaatgg 180
gaagatgacg tcccctccca ggggccctgg gacccaccgc acagctgagc tggcccagc 240
tgaagagttg ttggagcagc agctggagct gtaccaggcc ctcttgaag ggcaggaggg 300
agcctgggag gcccaagccc tgggtgctca gatccagaag ctgaaggaa acatgaggag 360
gcaccaagag agccttggag gaggcgccca agtttcccc agtgcccaca gcaccctccg 420
gactgaaaa tacacgcacc acccaccagg agccttggga tcataaacac ccagcgtct 480
tcccaggcca gagaaagtgg aagagaccac aaaccgcagg caattggcag gcagtggggg 540
agccagggct ctgcagtctt agtcccattc ccctttgatc tcacagcagg cagggcacca 600
caggccttac taggaattca ccctggacca tgccctaaaa taacctcacc ccaaatacaa 660
taaagggacg aggcaa                                     676

```

<210> 247
 <211> 2255
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1003916

```

<400> 247
ccggtgcgtc ctgggtctgt ctgcgcggag ttccccgggg cgcgaggaga ggggactgga 60
gaaagaggag ggccgggcag cggaggggag gaggcggtgc gtgcctcgcc tgccaaaggg 120
agatccgctc ctctgcgtgc gatccccgcg gcccgcccgc gccacagcg ctccgccaga 180
gctgccgcgg cggactcgcc gggagtgggg gtctccgctg gtgccagccc gcttctggag 240
accctccgcc tcctgccaac ccctgctctt ccaggctcgg ccccggggtt ctgcggctgt 300
tagggacaga ggcaaagaag ggcaggacgg tccggtttcc cgtggatgtt cccgcccag 360
aaagacagca agttgtgtgt gcgcccggga cgcgggaggg aaggtagccg ccgcccacca 420
gcatgggacc atcatcttta gtgcagagga tggaaagttg atgccagta agactgaaga 480
tccattctgc attacggaac tgtggattat ctgtgggtcc ctggtgattt cacacctca 540
ttcactcctg cagtccctga acacttactt ggggtcctca ttgccctatc tggtgaaaga 600
tggcatccag cctgacttgt actggagtaa tctgggcttt gctgtctttt ctttgtgtgt 660
ccacctcctg cgtgggggtt tttatgcctt actggctctg gggatcacag ctgggcaagc 720
ctgtgtcctt cggtaacctc cggaggtgct catatcctgt gcatgatgag agtcggcaga 780
tgatggtgat ggtggaggaa tgtgggcgct atgcctcctt ccagggcata cccagcgcac 840
aatggaggat ctgcaccata gtgaccggcc tgggttgttg cctcctcctc ctggtggcgc 900
tactgccct catgggttgc tgtgtttccg acctcatctc caggacagtg ggaagagtgg 960
ctggaggaat tcagtttctt gggggcctgt tgattgggtg tggctgtgcc ctctacccct 1020
tgggctggga cagtgaggaa gtccggcaga cttgtggcta cacttctggc cagtttgacc 1080
tggggaagtg tgaaatcggc tgggcctact actgcacggg agcagggtgc actgccacca 1140
tgctgctgtg cactgtgctg gcttgctttt cgggcaagaa acagaagcac taccatact 1200
gagatggagc taccaagagc agacagagga gaagatgggc caaaggggct tggagaggtc 1260
aaaacatcca cctaccttca aaaggtggga tagtagttct aatccaatac aatgctaata 1320
aatgaaacc cgataaaatc aggaacatga tataggaagg aaggattgta ggagatttgt 1380

```

```

gggggaaaaa aaaggagagt atagaatgat ggagaaaaat ggaccaaagg ctaaaaatat 1440
tgcaggggcat cgggtgtttc tattccacag agtattgtta atgtacaaca cacacacaca 1500
cacacacaca cacacacaca cacacacaca acaaatctac atatacaaac aagggttttg 1560
gttttagttt ttttttttta aggtgaggac tcagaaaatc aaagggctag tagaaacagt 1620
gttatgtttg gaagcagggt acccccaaag atgttccctg taggtcacgg cactcccaaa 1680
agcacacaag cacatacaga catatgcac cccacacacg cctatgcaca aacgtggatt 1740
atcgcacaga ctgggaggtt tagtggtgca tttctcctct gttttctttt taatatacat 1800
ttaaaatata gtattatcac tttataaaac atacattaag cctaataaat ggaccaataa 1860
gccaaactat cagtattttg tatatcctgc ataaactcta atttagttcc tcaacatatt 1920
ttcagtgttt atgcagacct ttagagttaa gcctttgtat ttccatgtta ttccacaata 1980
tgcaaatatt ctctgagtag cttctgctat gatattctta tgaagaaaag gggcaacttt 2040
ctgtccacta taggagagaa ttcagccgaa gatatgagag taatgagaga cattttccag 2100
tcattggatc gtgttttctt ttgtccatta ttgtactgtg ctgtaccaca tttatttcta 2160
tattcatttt gtaaaaaatt taaaagtgtc attttgtttg tatttgaaaa tctctgtgaa 2220
taaattctct ctttgatcaa tagcaaaaaa aaaaaa 2255

```

```

<210> 248
<211> 1223
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2093492

```

```

<400> 248
gacgcttcac cagcgtcctg gtggtgtcca gtctctcacc cctgtgcgtg ctgctctgga 60
gggaactcac aggcattccag ccaggcacat cctgtctcac cctgatgggc ttcaggctgg 120
agggcatttt ccagcggcg ctgctgcccc tgttgctgac catgattctt ttctggggcc 180
cactgatgca gctctctatg gattgccctt gtgacctggc agatgggctg aagggtgtcc 240
tgcccccccg ctctggggcc cgtgcctcac cagacatgcg ttggctgcgg aaccaagtga 300
tcgccccgct gacagaggag ctggtgttcc gggcctgtat gctgcccatt tagcacctg 360
gcattgggct gggccctgct gtgttcaact gcccgctctt ttttgagatt gccattttc 420
accatattat tgagcagctg cgtttccgcc agagcagcgt ggggaacatc ttcttgtctg 480
ctgcgttcca gttctcctac acagctgtct tcggtgccta cactgctttc ctcttcattc 540
gcacaggaca cctgattggg ccggttctct gccattcctt ctgcaattac atgggtttcc 600
cagctgtttg cgcgcccttg gagcaccacc agaggcgccc cctgctggca ggctatgccc 660
tgggtgtggg actcttccctg cttctgctcc agccctcac ggaccccaag ctctacggca 720
gccttcccc tttgtgtgct ttggagcggg caggggactc agaggctccc ctgtgctcct 780
gacctatgct cctggatacg ctatgaactc tcaccggctc ccagccctc cccaccaagg 840
ggtactgcag gggaagggtt ggctggggtc cccgagatct caggaatttt ttaggggat 900
tgaagccaga gctagttgct tcccagggac caagagaaaag aagcagatat ccaaagggtg 960
cagccctttt tgaaaggggt gtttacgagc agctgtgagt gaggggacaa ggggcaggct 1020
ccaggagcca cacactccct toctcacttt ggaactgtgc ttctcttagc toctctgctc 1080
ctgaaaagct gctcgggggt ttttatttat aaaacctctc cccaccccc acccccaaac 1140
ttctgggtt ttctcattgt ctttttgcac cagtactttg tattgggata ttaaagagat 1200
ttaacttggg taaaaaaaaa aaa 1223

```

```

<210> 249
<211> 1188
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2108789

```

```

<400> 249
gccctccca gcctgccaaag aaaacggtag gggagcatga tggggccttt gaggcagggt 60
cgcagggaca agctcagctt taggcaccat ctgttcccat cgcgcctgct gctgtgacct 120
gttttgaaa actggtgtgt accgaggcgc tgactgcacg gctgaccgcc tgctcgtgcc 180
ttcattctgc agcggcatgg toctcccat tctggctcca cctgcagcct cctgggtgg 240
cctaggctcc cccgaccaag agacctccct ctcattgatca ctggtacctg ggggcctgaa 300

```

```

ttctggcccc cggtcccca cacagctggg actggcctgg atggetgtcc tggtagcccc 360
tgcccaccct gacagagggg gctgggcctc ccctcatcct ctgtaactcc cgccttcacc 420
agactcgagg acaccctggc cctgctgagg catcacagagc ttcagcccag cacagaagca 480
agacaaaatc agtggctctt agagttaga aaacaagaca gactctcaga tgaaagatct 540
gacaagcacc gtggccagtc acagggagag acttgatgtc tggcctttta attcctcctc 600
tgccagggtg ggtcctggga cctctaattg gggcatgtcg tccaccccag gacgagccat 660
cagggacaga cccccaccc ccaaggctgc agccacacca tgttttcaggc ttggggctgg 720
ggcaggcttg ggctcaatcc tgggcaccca ggggcagccc acccctaacc tggctcctac 780
ccaccttgcc ctgaaggat gggcctgctg cagctctccc tcctccaccc cataccacac 840
tgggggtctt gagccacccc cctcagcccc gttcgggtca gaccgacccc cactccatcc 900
ccagacctgc agcacaagtg cgcgggcctg tcctcccagg ggcctgggag actccatatg 960
caatcagtag cgagcagccg ggccccacag accctcatgc actctcttac gtgccattct 1020
ccccagactt tttttgtact taatgtatga aagatccaaa ctaatatattg tgtaaaaagg 1080
agagacaaat taatatagct tattctataa atatatctgt atataaagg tttctgtatat 1140
tgtatagagc tgtgtataaa ctggatgtag aagcacaaaa aaaaaaaa 1188

```

```

<210> 250
<211> 1792
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2171401

```

```

<400> 250
cgccgctggg gccggcccg caggcttcat ctgagggcgc acggcccgcg accgagcgtg 60
cggactggcc tcccaagcgt ggggcgacaa gctgccggag ctgcaatggg ccgaggctgg 120
ggattcttgt ttggcctcct gggcgccgtg tggctgctca gctcgggcca cggagaggag 180
cagcccccg agacagcggc acagagggtgc ttctgccagg ttagtggtta cttggatgat 240
tgtacctgtg atgttgaaac cattgataga tttaataact acaggctttt cccaagacta 300
caaaaacttc ttgaaagtga ctactttagg tattacaagg taaacctgaa gaggccgtgt 360
cctttctgga atgacatcag ccagtgtgga agaagggact gtgctgtcaa accatgtcaa 420
tctgatgaag ttctgatagg aattaaatct gcgagctaca agtattctga agaagccaat 480
aatctcattg aagaatgtga acaagctgaa cgacttgagg cagtggatga atctctgagt 540
gaggaaacac agaaggctgt tcttcagtgg accaagcatg atgattcttc agataacttc 600
tgtgaagctg atgacattca gtcccctgaa gctgaatatg tagatttgct tcctaatcct 660
gagcgctaca ctgggttaca gggaccagat gcttggaata tatggaatgt catctacgaa 720
gaaaactgtt ttaagccaca gacaattaaa agacctttaa atcctttggc ttctggtcaa 780
gggacaagtg aagagaacac tttttacagt tggctagaag gtctctgtgt agaaaaaaga 840
gcattctaca gacttatatc tggcctacat gcaagcatta atgtgcattt gagtgcaga 900
tatcttttac aagagacctg gttagaaaag aaatggggac acaacattac agaatttcaa 960
cagcgatttg atggaatttt gactgaagga gaaggctcaa gaaggcttaa gaacttgtat 1020
tttctctact taatagaact aagggtttta tccaaagtgt taccattctt cgagcgccca 1080
gattttcaac tctttactgg aaataaaatt caggatgagg aaaacaaaat gttacttctg 1140
gaaatacttc atgaaatcaa gtcatttcct ttgcatthtg atgagaattc attttttgct 1200
ggggataaaa aagaagcaca caaactaaag gaggactttc gactgcattt tagaaatatt 1260
tcaagaatta tggatttgtt tgggtgtttt aaatgtcgtc tgtggggaaa gcttcagact 1320
cagggttttg gactgctct gaagatctta tttctgaga aattgatagc aaatatgcca 1380
gaaagtggac ctagtatatg attccatcta accagacaag aaatagtatc attattcaac 1440
gcatttgga gaatttctac aagtgtgaaa gaattagaaa acttcaggaa cttgttacag 1500
aatattcatt aaagaaaaca agctgatatg tgcctgtttc tggacaatgg aggcgaaaga 1560
gtggaatttc attcaaaggc ataatagcaa tgacagtctt aagccaaaca ttttatataa 1620
agttgctttt gtaaaggaga attatattgt tttaaagtaa cacattttta aaaatttgtt 1680
taagtctatg tataatacta ctgtgagtaa aagtaatact ttaataatgt ggtacaaatt 1740
ttaaagttta atattgaata aaaggaggat tatcaaattc aaaaaaaaaa aa 1792

```

```

<210> 251
<211> 2005
<212> DNA
<213> Homo sapiens

```

```

<220>

```


<221> misc_feature
 <223> Incyte Clone No: 2212530

<400> 251
 gcgaggcggg aggaggtgag gctccggcgc acacccaaac cgcgctgcgc ccgctccttc 60
 cgggccccgg agatggcgcc tccaccggga tgagctagcc agcctgggca ataccagagg 120
 cggccctcgg cgcgcgcagg ggaccgagct ggtcgcccca accgggtttg atttctgatg 180
 actctggcct gagttccagg atgggtttttt cttgggacca gacatgaaca aaagttgacc 240
 tcatgagcac ttcaacctct ccagctgcca tgctcctccg gaggctgcgg cgactctcct 300
 ggggcagcac tgcgtccag ctcttcatcc taacagtggg gacgtttggc ctgctggccc 360
 ccctggcctg tcaccgactt ctacactctt acttctatct gcgccattgg catctgaacc 420
 aaatgagcca agagtctctg cagcaaagct tgaaagaggg tgaggctgcc ctccactatt 480
 ttgaggagct tccctctgcc aatggctcag tgcccattgt ctggcaggcc acccccggc 540
 cctggctggg gatcaccatc atcactgtgg acaggcagcc tggcttccac tacgtcctgc 600
 aggttgtgtc ccagttccac cggttcttcc agcaatgtgg cccccagtgc gaggggcacc 660
 aactcttccct gtgcaacgtg gagcgtagtg tgagccattt tgatgccaaag ttgctctcca 720
 agtatgtccc tgtggccaat cgctatgagg gcaactgagga tgattatggt gatgacctt 780
 cgaccaactc gtttgagaaa gagaagcagg actatgtcta ttgcctggag tcatccctgc 840
 agacctacaa cccagactac gtctgatgg tagaagacga tgctgtacca gaagagcaga 900
 tcttcccagt cttggagcac cttctgcggg ctgccttctc tgagccacat ctgagagatg 960
 ccctttatct caagctgtat caccocgaga ggctccagca ctacatcaat ccagagccca 1020
 tgcggtacct ggaatgggtt ggtgtaggca tgttgctggg gcccttacta acctggatat 1080
 acatgaggtt tgccagccgc ccagggttta gctggcctgt aatgctcttc ttctccctgt 1140
 atagcatggg tctggtggag ctggtgggtc ggcactatct cctggaactg cggcggctga 1200
 gtccttccct gtacagtgtg gttcctgcct ctgagtgttg caccocagcc atgctcttcc 1260
 cggcacctgc ggcccgcggg accctcacct acctgtccca agtgtactgc cacaagggct 1320
 ttggcaagga catggcactg tactcgtctg tgagggccaa gggagagagg gcctatgtag 1380
 tggagccgaa cctcgtgaaa cacatcgggc tcttctccag tctccggtac aactttcatc 1440
 ccagtctcct ctagggtgcc aagagatgcc tttcggaggt tggccacttc ttgaagattc 1500
 aaatatttat ctctttattt agacatggtt gcctgcaggt atttactgtt ttactgttgt 1560
 tagagatata ggcactgggg cagctgagga acctcaatat gttaagagcc ttggcttttg 1620
 tagcctcctg gcaggagcag cagtttgcca caggtccgga cctctccctc cacacagcca 1680
 cactgcctca tgcagctcga cccacccagt gaggtgcat ttgaacactg attatattct 1740
 ccatttgttt ttaagctctg ctttgtgtta gagcttgtga ctgccaaaaa ttttgtgcac 1800
 agtgatatga ctgttttagg atcttaaggg tagaattttg tgaaaggtga gatccttttg 1860
 aattgagttc tttctcattg ggtatgaaaa tggatgtatg tttagaatat atgccccacg 1920
 aggcaggacc atgtggatag attccatttg tttccttgac ctgatgtaat aaaaactgat 1980
 aaaagccgtg cagtgcgccg catct 2005

<210> 252
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2253036

<400> 252
 tgggtatgtc tcatggagag gtgctttcac tgcttccttg ttcacctagt cttcaatctg 60
 gtccagagtt tcagcccat ctctggagtt gagtccctgc ttctccctca atgtgacaaa 120
 tggtggccaa tggatatatg cagttgtgat gcaagcagag gcttggtaaa tgctgcata 180
 ctggggtttg tcctcttgga atgctcattt gtgggagccc tgaacaacta tgaagaagt 240
 ctggctaccc tgctggagag aacacatggt gggagagac taaaattatg tgaagagagt 300
 caggccagcc atcccagctt ctctgctgag ccccgccatc agccaacctg ccagctgaat 360
 gcaaccgtaa gagtgatcac cagcaagatc actagaaaaa ccacctaaact gagcccaccc 420
 tggattgaac aatcataaac aaataaaatg gttattgttt taacaaaaaa a 471

<210> 253
 <211> 3775
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2280161

<400> 253

```

tccctgagag gtgtccactg atgtctcctc ctcatattcat ttagcagctc ttagttttgtg 60
aagaatctgt agatgctcaa agtataattg ccccagggaa tttatgctaa tcacaacctc 120
ttcttcagac accaagtcta ccttgaatgg gtttgctgtg atatggcact tcaggtctcc 180
ttttccatct gccaatatca gactgcctgt gtccccagag catgaaatca gccttacagt 240
gcttggtttg cttgtgagga catccggaac ttcaaatctg ggttttagag gagtctcttc 300
gttaatttta agcctgaaaa tgtttccttc tataccataa atttcagcca ggagaggaac 360
cttacttgct tcattgatga tttggaacct ggtgctgtct tcatctgttg tgactgaatc 420
caataatgcc cgataggtgg acttcttgga aagccactgt ttctgacgcc tgtaaaatgc 480
gatcttgtaa cagtctctga aaatgttttt atctacagct tcatcttcaa cacttatattc 540
ctctttcact gctgcttcca tggcttctct gtccactcca ccagctccca gctctcagga 600
caagggccct gggcgatctt ttaaaaaagc cgattgggtg tctttctaaa attacaacca 660
gtacttcata gtcaagtttc tgggaaggga gtcccccca gattctcatg gagtgcacaa 720
tcttgactct tgctcctgga atttttcagg cccaaactag cgtttctaca atgatttatt 780
tggcaaattt gtcttgatta tgggtggctg atgaggaacg tgcttttgtt aggaaccgaa 840
actgggcggc ggtgagggcg tgtacgcaat gagtccggaa gagggtgaaa tgctttcggg 900
aggcactcca cggctgtgaa gatggcggcg gctgcgtggc ttcaggtgtt gcctgtcatt 960
cttctgcttc tgggagctca ccgctcacca ctgtcgtttt tcagtgcggg accggcaacc 1020
gtagctgctg ccgaccggtc caaatggcac attccgatac cgtcggggaa aaattatttt 1080
agttttggaa agatcctctt cagaaatacc actatcttcc tgaagtttga tggagaacct 1140
tgtgacctgt ctttgaatat aacctgggat ctgaaaagcg ctgattgtta caatgaaatc 1200
tataacttca aggcagaaga agtagagttg tatttggaag aacttaagga aaaaagaggc 1260
ttgtctggga aatatcaaac atcatcaaaa ttgttccaga actgcagtga actctttaa 1320
acacagacct tttctggaga ttttatgcat cgactgcctc ttttaggaga aaacaggag 1380
gctaaggaga atggaacaaa ccttaccttt attggagaca aaaccgcaat gcatgaacca 1440
ttgcaaactt ggcaagatgc accatacatt tttattgtac atattggcat ttcactcctc 1500
aaggaatcat caaaagaaaa ttcactgagt aatcttttta ccatgactgt tgaagtgaag 1560
ggtccctatg aatacctcac acttgaagac tatcccttga tgattttttt catgggtgatg 1620
tgtattgtat atgtcctgtt tgggtgtctg tggctggcat ggtctgcctg ctactggaga 1680
gatctcctga gaattcagtt ttggattggt gctgtcatct tcctgggaat gcttgagaaa 1740
gctgtcttct atgcggaatt tcagaatatc cgatacaaa gagaatctgt ccagggtgct 1800
ttgatccttg cagagctgct ttcagcagtg aaacgctcac tggctcgaac cctggctcatc 1860
atagtcagtc tgggatattg catcgtcaag ccacgccttg gagtcactct tcataagggt 1920
gtagtagcag gagccctcta tcttttgttc tctggcatgg aaggggtcct cagagttact 1980
gggtattttt cttatccctt gactctgata gtaaacctgg ccctctcagc agttgcagcc 2040
tgtgttattt tatggatatt tattagcctg actcaaacaa tgaagctatt aaaacttcgg 2100
aggaacattg taaaactctc tttgtatcgg catttcacca acacgcttat tttggcagtg 2160
gcagcatcca ttgtgtttat catctggaca accatgaagt tcagaatagt gacatgtcag 2220
tcggactggc gggagctgtg ggtagacgat gccatctggc gcttgctgtt ctccatgatc 2280
ctctttgtca tcatggttct ctggcgacca tctgcaaaca accagaggtt tgcccttttc 2340
ccattgtctg aggaagaga ggagatgaa caaaaggagc ctatgctgaa agaaagcttt 2400
gaaggaatga aaatgagaag taccaaacaa gaaccgaatg gaaatagtaa agttaacaaa 2460
gcacaggaag atgatttgaa gtgggtagaa gagaatgttc cttcttctgt gacagatgta 2520
gcacttccag cccttctgga ttcagatgag gaacgaatga tcacacactt tgaaagggtc 2580
aaaatggagt aaggaatggg aagatttgca gttaaagatg gctaccatca ggaagagat 2640
cagcatctgt gtcagtcctt tgtacggctc catgggatta aaggaagcaa tgacatcctg 2700
atctgttcct tgatcttttg gcattggagt tggcgagagg tgtcagaaca aagagaacat 2760
cttactgaaa acaagttcat aagatgagaa aaatctacga gcttcttatt tacaacactg 2820
ctgccccctt tcctcccaga ctctgacatg gatgttcatt caacttaagt gtgttggtcc 2880
tgaactttct gtaatgtttc atttttttaa tctgacaaac taaaaagttt aacgtcttct 2940
aaaagattgt catcaacacc ataatatgta atctccagga gcaactgcct gtaatttttt 3000
tttatttagg gagttacata ggtgatggg gaaattgtta actaccttct attttcttg 3060
gaagtcaagg ttacatcttg cagaggttgg tttgagaaaa aagggccctt ctgagtttag 3120
gagccatagt tctatcaatg atcaaaaagaa aaaaaaaaaa aagagaaact gttacagtat 3180
gattcagatc atttaaaaaa gcaaaatcaa gtgcaatttt gtttacaaat ggtgtatatt 3240
aaagattttt ctatttcaga tgtactttta agagaaatat tagcttaact cttttgacat 3300
ctgctattgt gacacatccc attgctggca atgtggtgca cactccgaaa cttttaacta 3360
ctgttttgta agcctccaag ggtggcattg cagggtcctt aggcaatgtt ttgtttgcct 3420
ttatgcagag aggtgctcca agtgctgtga ttgagcaccg tgctagagga actgtaatgc 3480
ttcagaagtt gtagcttata caaaggaaac aggtcctgct ggcttaattt aaacagttat 3540
tgcatgaagt agcgtggagg ccctggactg ctgctcgttc tttaggatgg actgttctg 3600

```

```

tatctggtat tggtttagag actgttaata agggacatca caaggtgatg ggattcattt 3660
gaagcactct atttctgttt taatgggttt atccaatttt gccttcccaa gatttttgtt 3720
ctacataaaa agttcatgcc actttttaat ataaaaaaat ttaacaaaaa aaaaa 3775

```

```

<210> 254
<211> 1856
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2287485

```

```

<400> 254
cgcccgccac cgcccgagag ggagggcaga gcgcgcgcc agttgcccgg gcaccaaatac 60
ggagcgccgg gtgcgggagg gccagagca ggactggaaa tgtcctggcc gcgcgcgctc 120
ctgctcagat acctgttccc ggccctcctg cttcacgggc tgggagaggg ttctgcccctc 180
cttcatccag acagcaggtc tcatcctagg tccttagaga aaagtgcctg gagggtcttt 240
aaggagtcac agtgccatca catgctcaaa catctccaca atggtgcaag gatcacagt 300
cagatgccac ctacaatcga gggccactgg gtctccacag gctgtgaagt aaggtcaggc 360
ccagagttca tcacaaggtc ctacagattc taccacaata acaccttcaa ggcctaccaa 420
ttttattatg gcagcaaccg gtgcacaaat cccacttata ctctcatcat ccggggcaag 480
atccgcctcc gccaggcctc ctggatcatc cgagggggca cggaagccga ctaccagctg 540
cacaacgtcc aggtgatctg ccacacagag gcggtggccg agaagctggg ccagcagggtg 600
aaccgcacat gcccgggctt cctcgcagac gggggtccct ggggtgcagga cgtggcctat 660
gacctctggc gagaggagaa cggctgtgag tgcaccaagg ccgtgaactt tgccatgcat 720
gaacttcagc tcatccgggt ggagaagcag taccttcacc acaacctcga ccacctgggtc 780
gaggagctct tccttggtga cattcacact gatgccaccc agaggatgtt ctaccggccc 840
tccagttacc agccccctct gcagaatgcc aagaaccacg accatgcctg catcgccctg 900
cggatcatct atcggtcaga cgagcaccac cctcccatcc tgcccccaaa ggcagacctg 960
accatcggcc tgcacgggga gtgggtgagc cagcgtgtgt aggtgcgccc cgaagtccctc 1020
ttcctcaccg gccacttcat ctccatgac aacaacaaca cctgggaggg ccactactac 1080
cactactcag acccggtgtg caagcaccac accttctcca tctacgcccg gggccgctac 1140
agccgcggcg tcctctcgtc cagggtcatg ggaggcaccg agttcgtgtt caaagtgaat 1200
cacatgaagg tcacccccat ggatgcggcc acagcctcac tgctcaacgt cttcaacggg 1260
aatgagtgcg gggccgaggg ctccctggcag gtgggcatcc agcaggatgt gacccacacc 1320
aatggctgcg tggccctggg catcaaacta cctcacacgg agtacgagat cttcaaaatg 1380
gaacaggatg cccggggggc ctatctgctg ttcaacggtc agaggcccag cgacgggtcc 1440
agcccagaca ggccagagaa gagagccacg tcctaccaga tgcccttggt ccagtgtgcc 1500
tcctcttcgc cgagggcaga ggacctcgca gaagacagtg gaagcagcct gtatggccgg 1560
gcccttgga ggcacacctg gtccctgctg ctggctgcac ttgcctgcct tgtccctctg 1620
ctgcattgga acatccgcag atagaagttt tagaaagttc tattttttcca aaccaggatt 1680
ccttactatt gacagatttt ctttaccaaa agaaaagaca tttattcttt tgatgcactt 1740
gaatgccaga gaactgtcct tcttttcttc ctcccagccc ctgagtcattg 1800
aacagcaagg agtgtttgaa gtttctgctt tgaactccgt ccagcctgat ccctgg 1856

```

```

<210> 255
<211> 1545
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2380344

```

```

<400> 255
ggctggactg gaactcctgg tcccaagtga tccaccgcgc tcagcctccc aagggtgctgt 60
gattataggt gtaagccacc gtgtctggcc tctgaacaac tttttcagca actaaaaaag 120
ccacaggagt tgaactgcta ggattctgac tatgtctggg tggctagtgc tctactcct 180
acctacatta aaatctgttt tttgttctct tgtaaactagc ctttaccttc ctaacacaga 240
ggatctgtca ctgtggctct ggcccaaac tgaccttcac tctggaacga gaacagaggt 300
ttctaccac accgtccct cgaagccggg gacagcctca ccttgctggc ctctcgctgg 360
agcagtcccc tcaccaactg tctcacgtct ggaggcactg actcgggcag tgcaggtagc 420

```

```

tgagcctctt ggtagctgcg gctttcaagg tgggccttgc cctggccgta gaagggattg 480
acaagcccga agatttcata ggcgatggct cccactgccc aggcatacagc cttgctgtag 540
tcaatcactg ccctggggcc aggacgggcc gtggacacct gctcagaagc agtgggtgag 600
acatcacgct gcccgcccat ctaacctttt catgtcctgc acatcacctg atccatgggc 660
taatctgaac tctgtcccaa ggaacccaga gcttgagtga gctgtggctc agaccagaa 720
ggggtctgct tagaccacct ggtttatgtg acaggacttg cattctcctg gaacatgagg 780
gaacgccgga ggaaagcaaa gtggccaggg aaggaacttg tgccaaatta tgggtcagaa 840
aagatggagg tgttgggtta tcacaaggca tcgagtctcc tgcattcagt ggacatgtgg 900
gggaagggtc gccgatggcg catgacacac tcgggactca cctctggggc catcagacag 960
ccgtttccgc cccgatccac gtaccagctg ctgaaggcca actgcaggcc gatgctctca 1020
tcagccaggc agcagccaaa atctgcgatc accagccagg ggcagccgctc tgggaaggag 1080
caagcaaagt gaccattttc cctcccctcc ttccctctga gaggccctcc tatgtcccta 1140
ctaaagccac cagcaagaca tagctgacag gggctaattg ctacgtgttg gccaggagg 1200
tcagcaaggc ctgagagctg atcagaaggg cctgctgtgc gaacacggaa atgcctccag 1260
tctctgtgcg cgatgccctg ttgaaccaga tggtcacgc cttccagcag ctgcagcagc 1320
atcatggcgg cgaggcgggg gctgggtgtg ttcacacaaa ggaagaagag tgacctccct 1380
ggaagaagat ggaattctgc cagcggccag gcttcaaacc tgaactgcac cgctggctcc 1440
tccttggtc tccagcctgc ccgcctactc tgcggctttt aagactttgc caatccccat 1500
agggagccag gtcctcaaaa taaacctgcc tctatataga cacat 1545

```

<210> 256

<211> 1671

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2383171

<400> 256

```

gaattcggac gctctctggg ccaatatggc agcgcccagc aacaagacag agctggcctg 60
gagtcgcgcg ctggccgcgt gaggtaggtga ttgtctgaca agcagaggca tgagctgggt 120
ccaggccacc ctactggccc gaggcctctg tagggcctgg ggaggcacct gcggggcccgc 180
cctcacagga acctccatct ctcaggctccc tcgcccgtct cctcggggcc tccactgcag 240
cgcagctgcc catagctctg aacagtccct ggttcccagc ccaccggaac ccgggcagag 300
gcccaccaag gctctggtgc cctttgagga cctgtttggg caggcgccctg gtggggaacg 360
ggacaaggcg agcttccctg agacggtgca gaaatttgcg gagcacagcg tgcgtaagcg 420
gggccacatt gacttcatct acctggccct gcgcaagatg cgggagtatg gtgtcgagcg 480
ggacctggct gtgtacaacc agctgctcaa catcttcccc aaggaggtct tccggcctcg 540
caacatcatc cagcgcatct tcgtccacta ccctcggcag caggagtgtg ggattgctgt 600
cctggagcag atggagaacc acggtgtgat gcccaacaag gagacggagt tcctgctgat 660
tcagatcttt ggacgcaaaa gctaccccat gctcaagttg gtgcgcctga agctgtggtt 720
ccctcgattc atgaacgtca accccttccc agtgcgcccg gacctgcccc aggaccctgt 780
ggagctggcc atgtttggcc tgcggcacat ggagcctgac cttagtacca gggtaacct 840
ctaccagggt cctttgcccc aagactcaac aggtgcagca gatccccccc agccccacat 900
cgtaggaatc cagagtcccg atcagcaggc cgccctggcc cgccacaatc cagcccggcc 960
tgtctttgtt gagggcccct tctccctgtg gctccgcaac aagtgtgtgt attaccacat 1020
cctcagagct gacttgctgc ccccgaggag gagggaaagt gaagagacgc cggaggagt 1080
gaacctctac taccgatgc agctggacct ggagtgtg aggagtggct gggacaacta 1140
cgagtttgac atcaatgaag tggaggaagg ccctgtcttc gccatgtgca tggcgggtgc 1200
tcatgaccag gcgacgatgg ctaagtggat ccagggcctg caggagacca acccaaccct 1260
ggcccagatc cccgtggtct tccgcctcgc cgggtccacc cgggagctcc agacatcctc 1320
tgcagggtcg gaggagccgc ccctgcccga ggaccaccag gaagaagacg acaacctgca 1380
gcgacagcag cagggccaga gctagtctga gccggcgcca gggcacgggc tgtggccccg 1440
ggaggcggtg gactgaaggc atgagatgcc ctttgagtgt acagcaaatc aatgttttcc 1500
tgcttggggc tctcttccct catctctagc agtatggcat cccctcccca ggatctcggg 1560
ctgccagcga tgggcaggcg agaccctcc agaacttgca ggcgcctctg gttctccgaa 1620
ttcaaataaa aaggggcggg agcgctgttg gttgtgcgca aaaaaaaaaa a 1671

```

<210> 257

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2396046

<400> 257

```

aatttttaggg agaatgtggg ggggtgggggt gttactttcc attttacaca tatttgtatt 60
ttcagatttt caacaataac agtattcaat acataatcag aaaaaagaga tgtggaggag 120
gaggagagaa acttcccaag gagctccctt ggggtgctgt ggctcctaata tagtgtaacc 180
tgttaatcac atgttgctcg gtgttagagc ggtccctctg tgctctgect ggcagggcgc 240
tgttgccctg gtctccctcg ctattttctat ttgcaagcat gggctttctt cccagcagaa 300
tctggttccct gggaagagta atgtttccaaa ggcctctgat atgcctcgat gccctcctgt 360
cttcagagc cccaacctca ctccctttcc ccaccataca aaacacacct cccaggggtc 420
acatttgggg gtcccccccc ctgctccaat gccatgggtg cccaagcac agggcttttg 480
cctgagttgt cagtcctctg atgcatttga ggggcagcta ggggtgtggc ggggggtcca 540
agcagctggg gagccgagac tcagaatcat tcacacactt ctatttggag cttttgtgga 600
agtttccaga attccataat attcacctcc tgaatgggtg ctgcccctta tcagccaggg 660
ctgggggttcc cagtgccttc ggagagcttg ctttagagtc ttggagagac ggccatgggtc 720
tgcgtttgta tgtctgtcac atcttaccat catcacaat tgaatataca acattacct 780
attgtgtgat ca 792

```

<210> 258

<211> 3045

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2456587

<400> 258

```

gtgagagggg ctgatggaag ctgataggca ggactggagt gtttagcacca gtactggatg 60
tgacagcagg cagaggagca cttagcagct tattcagtg ccgattctga ttccggcaag 120
gatccaagca tggaatgctg ccgtcgggca actcctggca cactgctcct ctttctggct 180
ttcctgtctc tgagttccag gaccgcacgc tccgaggagg accgggacgg cctatgggat 240
gcctggggcc catggagtga atgctcacgc acctgcggg gaggggcctc ctactctctg 300
aggcgctgcc tgagcagcaa gagctgtgaa ggaagaaata tccgatacag aacatgcagt 360
aatgtggact gccaccaga agcagggtg ttccgagctc agcaatgctc agctcataat 420
gatgtcaagc accatggcca gttttatgaa tggcttccctg tgtctaataa ccctgacaac 480
ccatgttcac tcaagtgcc aagccaaagga acaaccctgg ttgttgaact agcacctaag 540
gtcttagatg gtacgcgttg ctatacagaa tctttggata tgtgcatcag tggtttatgc 600
caaattgttg gctgcatca ccagctggga agcacctgca aggaagataa ctgtgggggtc 660
tgcaacggag atgggtccac ctgccggctg gtccgagggc agtataaatc ccagctctcc 720
gcaaccaaag cggatgatac tgtggttgca attccctatg gaagtagaca tattgcctt 780
gtcttaaaag gtccctgatca cttatatctg gaaacaaaaa ccctccagg gactaaagg 840
gaaaacagtc tcagctccac aggaactttc cttgtggaca attctagtgt ggacttccag 900
aaatttccag acaaagagat actgagaatg gctggaccac tcacagcaga ttctattgtc 960
aagattcgta actcgggctc cgctgacagt acagtccagt tcatcttcta tcaacccatc 1020
atccaccgat ggaggagagc ggatttcttt ccttgctcag caacctgtgg aggaggttat 1080
cagctgacat cggctgagtg ctacgatctg aggaacaacc gtgtggttgc tgaccaatac 1140
tgtcactatt acccagagaa catcaaaccc aaaccgaagc ttcaggagtg caacttggat 1200
ccttgctccag ccagtgcagg atacaagcag atcatgcctt atgacctcta ccatccctt 1260
cctcggtggg aggccacccc atggaccgctg tgctcctcct cgtgtggggg gggcatccag 1320
agccgggcag tttcctgtgt ggaggaggac atccaggggc atgtcacttc agtggaaagag 1380
tggaaatgca tgtacacccc taagatgcc atcgcgcagc cctgcaacat ttttgactgc 1440
cctaaatggc tggcacagga ttggtctccg tgcacagtga cgtgtggcca gggcctcaga 1500
taccgtgttg tctctgcat cgaccatcga ggaatgcaca caggaggctg tagcccaaaa 1560
acaaagcccc acataaaaaga ggaatgcac gtacccactc cctgctataa acccaaagag 1620
aaacttccag tcgaggccaa gttgccatgg ttcaaacaag ctcaagagct agaagaagga 1680
gtgtgtgtgt cagaggagcc ctggttcac ccagaggcct ggtcggcctg cacagtcacc 1740
tgtgtgtgtg ggaccaggt gcgaatagtc aggtgccagg tgctcctgtc tttctctcac 1800
tccgtggctg acctgcctat tgacgagtg gaagggccca agccagcatc ccagcgtgcc 1860
tgttatgcag gcccatgcag cggggaaatt cctgagttca acccagacga gacagatggg 1920
ctctttggtg gcctgcagga ttccgacgag ctgtatgact gggagtatga ggggttcacc 1980
aagtgtccg agtcctgttg aggaggtgtc caggaggctg tggtagctg cttgaacaaa 2040

```

```

cagactcggg agccttgctg aggagaacct gtgcgtgacc accgccggcc cccacagctc 2100
ctgaagtcct gcaatttggg tccctgcccc gcaagtcctg tcatctagga agaagcagta 2160
tcgactcagc atggaacgcc tgcaacgttc tttgttaggc aaccaagagg cctggcttct 2220
catcctgctg tcaccaacta gctctgtggc ctagggcgag gtgtctgcc tttatgttct 2280
cacatctgca aagtgaactg gttgtacctg atgatctgag atcccatgac ttgctcacat 2340
gtcccatgat tctttatctt gtaggcagaa gcattaaaca gctactcctg ctgctgtgtg 2400
ctaatacttc ctgtaatttc tgttctgctt atttgccatt atttgaaaaa catgcaaaag 2460
ggtctttcta accacattcc tgtgttgtaa caacacccaa atgctgaggc agtgccgagg 2520
agtcagtgcc tgggacttgc ttaaaactgc tgggactcgt ggtccctaaa cccttctttg 2580
agcaccaaaa cgaataggac atgagatgtt acttctcatt ctcaaagtac taactatgtt 2640
taagttacaa aaggttaggt tatcctgtga cccttttgtt gactcacaga caagaacagt 2700
tgttgagctt aatgttgtcg catttgctcc agataaaactc aattctctga tttcccacca 2760
gccaactgtc aagccaacag gcaagacctc tcaactgggca cagccaggag tttcttgagg 2820
cgaccataca cattgaaaca tttgtagaag gttgctaatt gcaacaataa aggggaccaa 2880
agtataatgg cctaactctc tccaagagtc aaaacagatt ttccccctaa aaatgataat 2940
tgtatagagg tgcctttcct gtggaatatc tcactctgat gtcagagaaa aatctctcct 3000
tcccttctcc tgggtgttcaa tgtgagacag aaaataaaat gtgtg 3045

```

<210> 259

<211> 2445

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2484813

<400> 259

```

gcatcttggc aggggtccggg gacgtggact atttcgcaca ccacaccacg gggaggggatt 60
tttttctatt ttccctacga aaaacagatc tttttaagga tgggtgctgct ccactgggtgc 120
ctgctgtggc tctgttttcc actcagctca aggaccacga agttaccac cccgggatgag 180
gaactttttc agatgcagat ccgggacaa gcattttttc atgattcgtc agtaattcca 240
gtaggagctg aaattagcag ttatctcttt agagatacac ctaaaaggta tttctttgtg 300
gttgaagaag acaatactcc attatcagtc acagtgcgc cctgtgatgc gcctttggag 360
tggaagctga gcctccagga gctgccagag gacaggagcg gggaaggctc aggtgatctg 420
gaacctcttg agcagcagaa gcagcagatc attaatgagg aaggcactga gttattctcc 480
taciaaggca atgatgttga gtattttata tcgtctagtt ccccatccgg tttatatcag 540
ttggatcttc tttcaacaga gaaagacaca catttcaaag tatatgccac cacaactcca 600
gaatctgac agccataccc tgagttaccc tatgacccaa gagtagatgt gacctcactg 660
gggcgcacca cggtcacttt ggcctggaaa ccaagcccca ctgcctcttt gctgaaacaa 720
cccattcagt actgtgtggt catcaacaaa gagcacaatt tcaaaagtct ctgtgcagtg 780
gaagcaaaac tgagtgcaga tgatgctttt atgatggcac cgaaacctgg tctggacttc 840
agcccccttg actttgcccc ctttggattt ccttctgata attcaggtaa agaagcagat 900
ttccaggcaa agccttctcc aaaactgggg cgtcatgtct actccaggcc caaggctgat 960
attcagaaaa tctgcatagg aaacaagaac atcttcaccg tctctgatct gaaacccgac 1020
acgcagtact actttgacgt atttgtggtc aacatcaaca gcaacatgag caccgcttat 1080
gtaggtacct ttgccaggac caaggaagaa gccaaacaga agacagtcga gctaaaagat 1140
gggaagataa cagatgtatt tgttaaaagg aaggagcaa agtttctacg gtttgcacca 1200
gtctcttctc accaaaaagt caccctcttt attcactctt gtctggatgc tgtccaaatc 1260
caagtgcaga gagatgggaa acttcttctg tctcagaatg tggaaggcat tcagcagttt 1320
cagcttagag gaaaacctaa agctaaatac ctctgtcgac tgaaaggaaa caagaaagga 1380
gcatctatgt tgaaaattct agctaccaca aggccacta agcagtcatt tccctctctt 1440
cctgaagaca caagaatcaa agcctttgac aagctccgta cctgttcctc ggccaccgtg 1500
gcttggctag gcactcagga aaggaacaag ttttgcatct acaaaaaaga agtggatgat 1560
aactacaatg aagaccagaa gaaaagagat caaaaccaat gtctaggacc agatataaag 1620
aagaagtcag aaaaggctct ctgtaaatat ttccacagtc aaaacctgca gaaagcagtg 1680
accacagaaa caattaaagg tcttcagcct ggcaaatctt acctgctgga tgtttatgtc 1740
ataggacatg gggggcactc tgtaaagtat cagagtaagg ttgtgaaaac tagaaagttc 1800
tgttagttac cttcttatag agatatatta tgtagaactc caggagggac attaaatcac 1860
ttaagtata aactgactac tcccacagtt gagagaagtt gtgacctgta cttgtactat 1920
ggaagggaag atatcaacgt gtgtatatat atgtttatat aagtaactct tgaaggagac 1980
ttgttctagc gtgccccatg gtacctagtg tgtgtctgat gccggttggt gtcaaagata 2040
gagggttct tgaaggaaat tgccattcct tgctttgacc actgcatgaa ctgcttctaa 2100
attattttat tacctaaaaa tttaaaatat gccattcatt gcacacaccc acaaatgcaa 2160

```

```

atcattcctc tctatagatg ctaggatata tataaattat tttataaatt cttgttttaa 2220
atgtcagtggt ttctatgatt gtaaactatt aaattcctttt cctatttaaag tacagatcta 2280
atctaagtat tattaagttg atagccctct agtcagttat attgctattg taaattccttg 2340
tttgttgagt aaaatgttta aatactatat gtatctcatg tacaaagttg acatacatta 2400
tattcatgta cataaaatta aagagattag attatatagt gttca 2445

```

<210> 260

<211> 672

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2493851

<400> 260

```

cccacgggag cccagcctag gagtcgtccc ccaggcaatc cccagtactc ctgatgctgg 60
agagccagcc acactgcaca gtgccccggg ggcggtttct accaccctaa ggggtattct 120
tggtccagg catcagagtc catgtggctt gtggggccct catttcttct atgcccactg 180
gggaaggttc caccagcagg gctgttactg gcggggctct ctgggagggg ggcaagaagg 240
ccagccacac caaggcactg gagctccacg actcctggcc ttcgattgga ggccctctc 300
tgccagctct gcccttggg gggcaccagg caggactgcc agccgctctc ctggcagggtg 360
acatcagcct tcaagctcac tgtgccctca ccatttcatg ctcccccaag gtccctggta 420
tgtcttctct tgggtatctt cccaggacag gcaactggcag tggagccctg gcaactgttt 480
ctgggttcca tgcttccag gtgtgatggg gaatgctgag tgtcagcttg actggattga 540
aggatgcaaa gtattgtcac tgggtgtgtc tgtgaggggt ttgccagagg agattcccat 600
ttgagtcagt gggctgggag aggcagaccc accctcaatc cagggtggga ccacctaata 660
ggctgccagc aa 672

```

<210> 261

<211> 1183

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2495719

<400> 261

```

gagagaaatg atgtgacagg agcaagcgaa ctacaacccc gcccgccgt tccctgcccc 60
ccactgcggc ggcgggcgct acgttccgga agcggaatg gacgagagg cagggtagg 120
ttttgaagat ggcgggccctc aaggctctgg tgtccggctg tggcggtct ctccgtggg 180
tactagcggg cccggcagcg accagctggt ctcggttcc agctcgcggg ttcagggagg 240
tggtggagac ccaagaaggg aagacaacta taattgaagg ccgtatcaca gcgactccca 300
aggagagtcc aaatcctcct aaccctctg gccagtgcc catctgccgt tggaaacctga 360
agcacaagta taactatgac gatgttctgc tgcttagcca gttcatccgg cctcatggag 420
gcatgctgcc ccgaaagatc acaggcctat gccaggaaga acaccgcaag atcgaggagt 480
gtgtgaagat ggcccaccga gcaggctctat taccaaatca caggcctcgg ctccctgaag 540
gagttgttcc gaagagcaaa ccccaactca accggtacct gacgcgctgg gctcctgggt 600
ccgtcaagcc catctacaaa aaaggcccc gctggaacag ggtgcgcatg cccgtgggg 660
cacccttct gagggacaat gtctgctact caagaacacc ttggaagctg tatcactgac 720
agagagcagt gcttccagag ttcctcctgc acctgtgctg gggagtagga ggccactca 780
caagcccttg gccacaacta tactcctgtc ccacccacc acgatggcct ggtccctcca 840
acatgcattg acaggggaca gtgggactaa cttcagtacc cttggcctgc acagtagcaa 900
tgctgggagc tagaggcagg cagggcagtt gggctccttg ccagctgcta tggggcttag 960
gccatgctca gtgctgggga caggagtttt gcccaacgca gtgtcataaa ctgggttcat 1020
gggcttacc attgggtgtg cgctcactgc ttgggaagtg cagggggtcc tgggcacatt 1080
gccagctggg tgctgagcat tgagtcactg atctcttgtg atggggccaa tgagtcaatt 1140
gaattcatgg gccaaacagg tcccatcctc ttcaaaaaaa aaa 1183

```

<210> 262

<211> 1266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2614153

<400> 262

```

gcctgaccac gcagttcttg ggtctgtgct gctggcctgg ggttgtggtt gaggccgggt 60
ctccgctcct gtgcccggga agatggtgct aggtggttgc ccggttagtt acttacttct 120
gtgcggccag gcggctttgc tgctggggaa tttacttctg ctgcattgtg tgtctcgag 180
ccactcgcaa aatgcgaccg ctgagcctga gctcacatcc gctggcgccg cccagccgga 240
gggccccggg ggtgctgcga gctgggaata tggcgacccc cactctccgg tcatcctctg 300
ctcttaccta cctgatgaat ttatagaatg tgaagacca gtggatcatg ttggaaatgc 360
aactgcatcc caggaacttg gttatggttg tctcaagttc ggcggtcagg cctacagcga 420
cgtggaacac acttcagtc cagtgccatgc cttagatgga attgagtgtg ccagtcctag 480
gaccttttcta cgagaaaaata aaccttgat aaagtatacc ggacactact tcataaccac 540
tttactctac tccttcttcc tgggatgttt tgggtgtggat cgattctgtt tgggacacac 600
tggcactgca gtagggaagc tgttgacgct tggaggactt gggatttggg ggtttgttga 660
ccttattttg ctaattactg gagggctgat gccaaagtat ggcagcaact ggtgcactgt 720
ttactaaaaa gagctgccat catggcccag ggaggcgggt gaaagctccg tcttctgaat 780
tcactctctac aggtcctctc ctctctttg atatcagacc tgatgttatt tctcttcttt 840
tggaggcat ttgtttggtt aagaaggctt ctttggactt tgggaatttca acccagattt 900
taccttgacg acggaatgac aagcaaaaag tgttgtgggg aatcaaattt gttcctttcc 960
tcatgcacaa aacataaagg atagtggcga gtttacaagc tgtggatggg tttccatagt 1020
cttcttttct gtacattgct atatcttcag tcttttgag caagtggacc taacaagttg 1080
agcaaatga atatttgat ccatgttctt cttgtgaccc tgagtcttca tgcaaggaga 1140
tctgaagctg aacaatgaaa atcttcagca gaaatagaaa tggccgtgga ttgtaataca 1200
cactgaaatt ctgactttct gaatttaaat gtagaataaa ttttaccacac ttggaaaaaa 1260
aaaaaa 1266

```

<210> 263

<211> 1093

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2655184

<400> 263

```

gatggcttgt ttttcatttt ttttgtgctt tttggtccat ctattaataa aaatgaaccc 60
cggtacagag tcaccatcat gtctcttctc accaccctct gaatctgcat tagccagtca 120
actagccctt tcagcgtcat gtgaccagcg cgccccattc agcttggtcg gtgtcgtttc 180
acatgaccca ggctggccag tcgtcagggt gcaccgccct ttggttcccg agcatgctgt 240
tttctctcag ctttctctcc aaccttaacc aaatcggcag cagccacctc gaccgcccac 300
acattcctgg ccaatcagct cagctgttta tttaccaaat gtcttcacaa caactacagc 360
agcagccttc ggctaacaaa aaagcaggaa aaatccacaa caccctctc gccaaccaac 420
taaatccaac gcaacatctg gcaaaacctt ttcagcaaat tcttcttggc cgtcagtcag 480
gcagcctcac ctaccatttt ctagcttggt gaaacccaaa actaatctcc aagaaggaga 540
agcttctctc gcagccggag cagggtccctt tctagagata ggagaagaga gagatcgctg 600
tctcgggaga gaaatcacia gccgtccoga tcttctctta ggtctcgtag tcgatctagg 660
tcaaatgaaa ggaaatagaa gacagtttgc aagagaagtg gtgtacagga aattacttca 720
tttgacagga gtatgtacag aaaattcaag ttttgtttga gacttcataa gcttgggtgca 780
tttttaagat gttttagctg ttcaaactct tttgtctctt gaaacagtga cacaaagggtg 840
taattctcta tggtttgaaa tggatcatac gaggcatgta ataccaagaa ttgttacttt 900
acaatgttcc cttaagcaaa attgaatttg ctttgaactt ttagttatgc acagactgat 960
aataaacctc taaacctgcc cagcggaagt gtgttttttt taaattttaa tacagaacca 1020
ctggcaaaaa ttgaactaag atttactttt ttttccatag ctgggatata ggggggatcc 1080
tctagagtcg acc 1093

```

<210> 264

<211> 1056

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2848362

<400> 264

```

gcctgacatg cctgatacctc tctttttctgc agttcaaggg aaagacgaga tcttgcacaa 60
ggcactctgc ttctgccctt ggctggggaa ggggtggcatg gagcctctcc ggctgctcat 120
cttactcttt gtcacagagc tgtccggagc ccacaacacc acagtgttcc agggcgtggc 180
gggccagtcc ctgcaggtgt cttgccccta tgactccatg aagcactggg ggaggcgcaa 240
ggcctggtgc cgccagctgg gagagaaggg cccatgccag cgtgtggtca gcacgcacaa 300
cttgtggctg ctgtccttcc tgaggaggtg gaatgggagc acagccatca cagacgatac 360
cctgggtggc actctcacca ttacgctgcg gaatctacaa ccccatgatg cgggtctcta 420
ccagtgccag agcctccatg gcagtgaggg tgacaccctc aggaaggtcc tgggtggaggt 480
gctggcagac cccctggatc accgggatgc tggagatctc tggttccccg gggagtctga 540
gagcttcgag gatgcccatg tggagcacag catctccagg agcctcttgg aaggagaaat 600
ccccttccca cccacttcca tccttctcct cctggcctgc atctttctca tcaagattct 660
agcagccagc gccctctggg ctgcagcctg gcatggacag aagccaggga cacatccacc 720
cagtgaactg gactgtggcc atgacccagg gtatcagctc caaactctgc cagggtctgag 780
agacacgtga aggaagatga tgggaggaaa agcccaggag aagtcccacc agggaccagc 840
ccagcctgca tacttgccac ttggccacca ggactccttg ttctgctctg gcaagagact 900
actctgcctg aacactgctt ctctggacc ctggaagcag ggactggttg agggagtggg 960
gaggtggtaa gaacacctga caacttctga atattggaca ttttaaacac ttacaaataa 1020
atccaagact gtcataattha gctggaaaaa aaaaaa 1056

```

<210> 265

<211> 1183

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2849906

<400> 265

```

ggagctcagc cgagggctgc acaaagacct tcctggcctg cccagacag agctgaggac 60
ccctggccgt gggcttgggc ctcggttca caggatggg ctgccagtgt cctgggcccc 120
tcctgccctc tgggttctag ggtgctgcgc cctgctctc tcgctgtggg cgctgtgcac 180
agcctgccgc agggccgagg acgctgtagc ccccaggaa agggcgcgga ggcagcgggc 240
gaggctgcag ggcagtgcga cggcggcgga agcgtcccta ctgaggcgga cccacctctg 300
ctccctcagc aagtccgaca ccagactgca cgagctgcac cggggcccg gcagcagcag 360
ggccctgcgg cctgccagca tggatctcct gcgccacac tggctggagg tgtccaggga 420
catcacgga ccgcaggcag cccctctgc cttcccacac caggagctgc cccgggctct 480
gccggcagct gcagccaccg cagggtgcgc tggcctcgag gccacctatt ccaacgtggg 540
gctggcggcc cttcccgggg tcagcctggc ggccagccct gtggtggccg agtatgcccg 600
cgtccagaag cgcaaaggga cccatcgag tcccgaagag ccacagcagg ggaagactga 660
ggtgaccccg gccgctcagg tggacgtcct gtaactccag gtctgcaagc ctaaaaggag 720
ggacccagga cccaccacag acccgctgga cccaagggc cagggagcga ttctggccct 780
ggcgggtgac ctggcctacc agacctccc gctcagggcc ctggatgtgg acagcgcccc 840
cctggaaaac gtgtatgaga gcatccggga gctgggggac cctgctggca ggagcagcac 900
gtgcggggct gggacgcccc ctgcttccag ctgcccagc ctaggaggag gctggagacc 960
cctccctgcc tccctgccc gaacactcaa ggacctgtgc tccttctcc agagtgaggc 1020
ccgtcccccg ccccgcccc cctcacagct gacagcgca gtcccaggtc cccgggccgc 1080
cagcccgtag ggtccgtgag gtcccgccg ctctgacagc cgcggcctcc cccggcatcc 1140
tagagaaggc ccgcgtctaa ataaagcgcc acgcagagt atc 1183

```

<210> 266

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <223> Incyte Clone No: 2899137

<400> 266
 gcatgtcatg gccgcctcca tggccccggg aggcgtgagt gccagggttc tactgcaggc 60
 tgccaggggc acctggtgga acagacctgg gggcacttcc gggtcggggg agggggtggc 120
 gctggggaca accagaaagt ttcaagcgac aggcctcgcg ccggctggag aggaggacgc 180
 gggcgggccc gagcgggccc gggacgtggt gaacgtggtg ttcgtagacc gctcaggcca 240
 gcggatccca gtgagtggca gaggcgggga caatgttctt cacctggccc agcgccacgg 300
 ggtggacctg gaaggggcct gtgaagcctc cctggcctgc tccacctgcc atgtgtatgt 360
 gagtgaagac cacctggatc tcctgcctcc tcccaggag agggaagacg acatgctaga 420
 catggccccc ctctccagc agaactcgcg gctgggctgc cagattgtgc tgacaccgga 480
 gctggaagga gcggaattca ccctgcccac gatcaccagg aacttctacg tggatggcca 540
 tgtccccaag cccactgac atgaacacct ggaccattcc acattgccat ggccccaggg 600
 cccagattga gggaatagcc aggtgccagc cctgcccaga gtgcggacag gcccgggaga 660
 gacgtggaag cccctgtgaa ggacaacacc cctgcttggg agagagtccc atgtccaggc 720
 tctggtgggg acagggcccc tagtggggtg gccttcccca ggccctgag aatcagggtt 780
 tgagtaggag tggactcata ttggagctgc aataaatcga taacacagga aaaaaaaaaa 840

<210> 267
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2986229

<400> 267
 aataatgttt gagacagaag agaccatttg ctagtattta gcaattatca tagttatttg 60
 atttatatta aaaagcattt gtctttccac taaaacataa agggaataag ggcctagagt 120
 tatatgagtt aatagtaatt atagtcaagc tggggttaaa aatttggtgt agatgatgca 180
 tacttgggga taattaagag taccatctaa ttttctgtca ctttagaaag gaacaagtgg 240
 caactttgtt gactatgtgg agaaagccag atgttcttta ctacagtaata cctgttactt 300
 ctcttttttt ccttttagca ctgaacctac cagatgtatt tgggttggtc gtcctcccat 360
 tggaactgaa actacggatc ttccgacttc tggatgttcg ttccgtcttg tctttgtctg 420
 cggtttgtcg tgacctcttt actgcttcaa atgacctact cctgtggagg tttttatatc 480
 tgcgtgattt tccggtgat ttccgtaatg acatattcac aagaaagggc tcttattgtc 540
 ttgattactc agctcaccaa aagtttttag ttgtaggatt tttctgttgc aaatgattac 600
 aataaa 606

<210> 268
 <211> 1025
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3222081

<400> 268
 gtccttcgag ctactccgtc tggccccgcc ttttctctgc tctcctgaac ctttaggctt 60
 gtctcgccc atttgaagac caggaagttg atcaatccc aggcctgctga gagacggtgg 120
 cgcgattggg acagtcgcca gggatggctg agcgtgaaga tgcagcgggt gtccgggctg 180
 ctctcctgga cgctgagcag agtcctgtgg ctctccggcc tctctgagcc gggagctgcc 240
 cggcagcccc ggatcatgga agagaaagcg cttagagttt atgatttgat tagaactatc 300
 cgggacccag aaaagcccaa tactttagaa gaactggaag tggctcggga aagttgtgtg 360
 gaagttcagg agataaatga agaagaatat ctggttatta tcaggttcac gccaacagta 420
 cctcattgct ctttggcgac tcttattggg ctgtgcttaa gagtaaaact tcagcgatgt 480
 ttaccattta aacataagtt ggaaatctac atttctgaag gaaccactc aacagaagaa 540
 gacatcaata agcagataaa tgacaaagag cgagtggcag ctgcaatgga aaaccccaac 600
 ttacgggaaa ttgtggaaca gtgtgtcctt gaacctgact gatagctgtt ttaagagcca 660
 ctggcctgta attgtttgat atatttgttt aaactctttg tataatgtca gagactcatg 720

1. 2.

aaaaa